

AYUB MEDICAL COLLEGE ABBOTTABAD

STANDARD FORM OF BIDDING DOCUMENT

FOR

Supply, Installation, Testing and Commissioning of CCTV Cameras and System

Mansehra Road, Mandian Abbottabad Tel. No. Dean Office: 0992-9311110, Fax: 0992-9311101

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INVITATION FOR BIDS

- 1. The **Dean Ayub Medical College Abbottabad** now invites sealed bids from eligible bidders for the supply CCTV Cameras.
- 2. Interested eligible bidders may obtain further information from and inspect the bidding documents at the Account Branch/ Procurement Cell, Ayub Medical College, Mansehra Road Abbottabad
- 3. Bidding documents can be obtained from Accounts Branch Ayub Medical College Abbottabad during office hours on payment of Rs.1000/- for each item. (Non-Refundable) and are also available on the institutional website. http://www.ayubmed.edu.pk.
- 4. The firms/ contractors may also deposit a pay order/ bank draft of Rs. 1,000/- as tender fee in favour of **Dean, Ayub Medical College**
- 5. Tenders/bids should reach at the following address till 11:30 A.M on or before 9th January 2020.

Dean, Medical Teaching Institution,
Ayub Medical College,
Main Mansehra Road,
Mandian, Abbottabad

- 6. The tenders/bids will be opened on 9th January 2020 at 12:00 Noon by the Institutional Purchase Committee.
- 7. The bidders are requested to give their best and final prices as no negotiations are expected.

Dean Medical Teaching Institution, Abbottabad Ayub Medical College

Mansehra Road, Mandian Abbottabad Tel.No. Dean Office: 0992-9311110

INSTRUCTIONS TO BIDDERS

- 1. The bidder/ proponent must submit the proposals in sealed envelopes as specified in clause b) of Section (2) of Rule 6 of KPPRA Rules 2014 i.e. *Single stage, two envelop procedure.*
- 2. The proposal shall be typed in English with legible font type and size. Any hand written part or full proposal (either technical or financial) shall be rejected.
- 3. The proposals must be on the bidder's letterhead, duly stamped by authorized representative (as per prescribed specimen in alphabetical order).
- 4. The envelopes should be on the name (**Dean, Ayub Medical College, Medical Teaching Institution, Abbottabad.**
- 5. The proposal shall contain last year Income Tax Return, Sales tax registration certificate, Active Taxpayer Certificate and financial bank statement of last one years.
- 6. The terms and conditions mentioned in the tender notice are also part and parcel of this bidding document
- 7. The bidder shall specify validity in days; the procuring entity may under exceptional circumstances request for extension in bid validity which shall be for not more than the period equal to the period of the original bid validity.
- 8. Collusion between the firms is strictly prohibited. Any firm / group of firms found involved in creating a cartel or any other collusion arrangement against the interest of the project/government, will be blacklisted and debarred.
- 9. The proposals should be in accordance with enclosed specifications.
- 10. Every page of the bid must be properly signed and stamped.
- 11. **Response time**: All bidders shall submit proposals as per these instructions on or before 9th January 2020 at11:30 AM .These tenders/bids will be opened at 12:00 Noon by the Institutional Purchase Committee.
- 12. The bidder shall submit an affidavit that it has never been blacklisted by any Public Sector Organization, Autonomous or Semi-Autonomous Organization.
- 13. The procuring entity may reject one or all such proposals, which are vague (In terms of financial proposal) or does not adhere to these instructions. The rejection reason will be communicated to the respective bidder.
- 14. The procuring entity may offer for re-biding in case the proposal does not satisfy its professional requirements.

- 15. Arbitration as per law will be in case of disagreement arising out of contract execution, which cannot be settled, between the two parties (procuring entity and supplier/vendor/bidder).
- 16. If the bidding document is downloaded from the institutional web site, the fee has to be deposited in the Accounts Branch and the original receipt <u>must</u> be attached with the bidding document or a bank draft of Rs. 1,000/- in favour of Dean, Ayub Medical College may also be deposited.
- 17. No tenders/bids shall be accepted without original fee receipt or bank draft.
- 18. The bidder will deposit bid security money with procuring entity equal to 2% of the total value of the contract along with the bid in the envelope containing Financial Proposal. The Bidder must give an undertaking on official letterhead that he has submitted CDR/Bid Security with Financial Proposal stating only the Bank Draft Number and name of the bank. The undertaking should not disclose the amount. The bid will be rejected if bid security amount is stated in the said undertaking.
- 19. The procuring entity may reject one or all such proposals, which are vague (In terms of financial proposal) or does not adhere to these instructions. The rejection reason will be communicated to the respective bidder.
- 20. The procuring entity may offer for re-biding in case the proposal does not satisfy its professional requirements.
- 21. Contract will be signed with the successful bidders and its terms and conditions will govern the executive of the contract.

PRICE SCHEDULE IN PAK. RUPEES

Name of Bid of	der:		_IFB Numb	oer		₋ Page
1	2	3	4	5	6	7
Item	Description	Country of Origin	Quantity	Unit price DDP named place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required

Signature of Bidder

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

GENERAL TERMS AND CONDITIONS

Following are the details regarding request for quotation for CCTV CAMERAS.

Ser.#	Description / Specification	Qty.	Unit Rate (Rs.)	GST + Income Tax + any other applicable tax	Delivery Period	Total

Matrix to be filled by the bidder as per the instructions laid down here.

General Terms and Conditions

Following are the General Terms and Conditions:

- The Authorized Dealers/Sole Agents/Authorized Distributors/Registered Firms who are registered with Federal Board of Revenue for Income Tax and Sales Tax and are active Tax payers are eligible to participate in the bidding.
- Bidding documents can be obtained from Accounts Branch Ayub Medical College Abbottabad during office hours on payment of Rs.1000/- for each item. (Non-Refundable).
- An amount equal to 02% of the bid price in shape of CDR as Bid Security in favour of Dean Ayub Medical College <u>must</u> be attached with the Financial Bid.
- The rates quoted by the Authorized Dealers/Sole Agents/Authorized Distributors/ Registered Firms shall be valid up to 30th September 2020. The supply orders will be issued as per requirement and demand from the concerned Department.
- The bidding procedure shall be *Single stage*, two envelops as per KPPRA rules 2014.
- The technical specifications and bid evaluation criteria are attached
- No conditional bid shall be acceptable.
- The terms and conditions mentioned in the tender notice are also part and parcel of this bidding document.

BID EVALUATION CRITERIA FOR PROCUREMENT OF CCTV CAMERAS M/S VITAL INTERNATIONAL PVT LTD

The following documents are MANDATORY for considering the bid/tender:

- 1. Last year Income Tax Return along with Serial number of ATL
- 2. Last year Sales Tax Return
- 3. Bank statement of the last one year
- 4. Affidavit on Judicial paper stating that the Firm/Company of the bidder has never been blacklisted by any Govt. Department/Institution, Autonomous/Semi-autonomous body etc.
- 5. Warranty certificate (Minimum warranty of ONE YEAR of the item/product is mandatory)
- 6. A certificate mentioning 100% availability of spare parts of the item/product

S. No.	Parameters	Detail/Supporting Documents	Total Marks	Remarks
1	Company/Firm	Number of Govt. departments/institutions who were provided the same item during the last 5 years 2 marks for each supply order up to a maximum of 5 supply orders	10	Please attach copies of supply orders of the same item.
	Profile	Registration with Federal or any Provincial Govt. Departments like Health, Education etc. i Registered 3 ii Not Registered 0	3	Please attach Valid Registration Document
2	Product Quality Certifications	International Product Quality Certifications of the respective product. 2.5 Marks for each certificate up to maximum of four certificates	10	Please attach the relevant certificates.
3	Compliance with purchaser's specifications	i 100% compliance 10 95% compliance subject to Main ii Function is Not affected 5 Any additional feature other than iii specifications 2	12	Certificate from Original Manufacturer mentioning product specifications is required for verification (Compliance below 95% will be technically disqualified)
4	Warranty	A minimum warranty of ONE year is mandatory i Up to 2 years warranty 3 ii 3 to 5 years warranty 6 iii More than 5 years 10	10	Bid without minimum required warranty shall be rejected.
5	After sale service	100% free service (except for spare parts) for one or more years after expiry of warranty period 2 marks for each year of post warranty free service (except spare parts) up to maximum of 5 years Ensuring 100% availability of i spare parts for 10 or more years Ensuring 100% availability of	10 7	Please attach an undertaking on Judicial Paper clearly mentioning about both components of After Sale Service
		ii spare parts between 5 to 10 years 2		

Total marks: 60

Qualifying marks: Bids scoring 60% or more of 60 shall be declared as **Technically Responsive Bids.** The financial bids of technically responsive bids will be opened publicly at a time to be announced by the Procuring Agency and the financial bids of the technically nonresponsive shall be returned un-opened to the respective Bidders.

Marks for Financial Bid: 40

Evaluation of the Financial Bid:

Evaluation of the Financial Bid of Technically Responsive Bids shall be done as per following formula:

Bid quoting lowest price will get full marks i.e. 40

Formula: $\frac{\text{Lowest Price}}{\text{Price of the bid under consideration}} \times 40$

Merit Point Evaluation = Technical Evaluation Marks + Financial Evaluation Marks

Bid scoring highest marks on Merit Point Evaluation shall be considered as the Best Evaluated Bid.

BID EVALUATION CHECKLIST

Please fill this checklist and attach it with your Technical Bid:

S.No	Parameter	Description	Detail of documents that MUST be attached	Yes	No
		Registration with FBR for Income and Sales Tax	Income Tax Return, Sales Tax Return and ATL attached		
		Bank statement	statement for the last one year attached		
1	Mandatory Documents	Blacklisting	Affidavit on Judicial paper attached		
		Warranty	Warranty certificate on Company Letterhead attached		
		Availability of Spare parts	A certificate on Company Letterhead ensuring 100% availability of spare parts		
2	Company/Firm	Govt. departments / Institutions served	Copies of supply orders from Govt. departments/Institutions attached		
	Profile	Registration with Federal or any Provincial Govt Departments	Valid Registration Certificate attached		
3	Product Quality Certification	ISO and/or any other International Quality Certificate for the quoted product	Copies of the Quality Certificate (s) attached		
4	Compliance with Purchaser's Specifications	Compliance status	Product Brochure issued by the Original Manufacturer with highlighted specifications attached		
6	Warranty	Warranty Period	Copy of Warranty card/certificate attached		
7	After Sales Service	100% free service (except for spare parts for one or more years after the expiry of warranty period	Written commitment on Firm/Company Pad		
		Ensuring 100% availability of spare parts for 5 or more years	Written commitment on Firm/Company Pad		

It is certified that the above-mentioned information and all the relevant documents are correct. In case any of the above-mentioned information or attached documents are found false, the Procuring Entity has the right to take any action against the firm including confiscation of the bid security.

Name of the owner/representative:	
Designation:	Signature:
Contact Number:	Office Stamp.

Note: This checklist must be computer typed on the letter Head of the Company/Firm

GENERAL AND SPECIAL CONDITIONS OF CONTRACT

A. LANGUAGE

All communications and documentations related to procurements shall be in English.

B. BID SECURITY DEPOSIT (Where Applicable)

Unless otherwise agreed between the Procuring entity and the Supplier, the later shall deposit with the Procuring Entity a sum equal to 2% of the total value of the goods detailed in the said Schedule at 'C'.

C. PLACE AND TIME OF DELIVERY

The Supplier/Vendor/bidder shall as may be required by the Procuring entity either deliver free at, places detailed in the said Schedule, the list and Quantities of the goods detailed herein and the goods shall be delivered out not later than the dates specified.

(i) Delivery Schedule

Ser.#	Item / Deliverable	Date of delivery	Place of delivery	Verification	Acceptance
		-	-		

D. VARIATIONS / REPEAT ORDERS

The Procuring entity may during the execution of the Contract, by notice in writing may direct the supplier to alter, amend, omit, add to or otherwise vary any part of the Schedule, in agreement with the Service Provider, and the Service Provider shall carry out such variations and be bound by the same conditions. Provided that repeat orders are within a period of six months, and that it does not exceed fifteen percent of the original contract value as per KPP Rules 2014.

E. INSPECTION of Goods on Delivery (whole applicable)

The goods shall be inspected by the inspecting team of the Procuring entity for quality/quantity etc. at the agreed location/warehouse of the Procuring entity before the goods are provided/supplied at their final destination.

Inspection of goods shall be conducted without prejudice to the buyer's right to lodge quantity and quality claims. In case the goods are not found in conformity with the contracted quality/specifications, procuring entity shall have the right to lodge claims within 30 days from the date of inspection of the goods.

In case of dispute by the supplier, joint re-inspection of the supplied material shall be carried out, at the cost of the supplier, in presence his or his authorized representative either at a laboratory designated by the procuring entity or by a neutral independent entity as jointly agreed.

F. PACKAGING

Material/works/service should be packed suitably in appropriate wooden/metallic boxes/containers/pallets in such a manner that the goods are not lost or damaged in handling/transportation and the packing should be suitable enough to reach at the stores of procuring entity safely.

Each pack or container should clearly indicate the following information:

• Purchase Order Number and date.

- Name of Product/Deliverable.
- Quantity
- Gross and net weights
- Name of Manufacturers/service providers

Manufacturer's instructions regarding the maximum storage life of the product and the storage conditions must be followed.

Material/works/service should be delivered at the stores of procuring entity in original packing of the manufacturer.

Where applicable, manuals containing instructions of the manufacturer about the application (in use) of the item should be provided in English. If required by Procuring entity, technical experts should be sent by the manufacturer for application of the item at site.

G. PERFORMANCE BANK GUARANTEE

Successful bidders shall furnish a Performance Bank Guarantee of 10% of value of Purchase Order/Tender price/Contract on the Performa prescribed provided that the guarantee is issued by any of the approved Banks within 20 days of issuance of the letter of acceptance. The performance guarantee shall remain valid throughout the execution of purchase order/contract and shall be returned within 10 days after the expiry of warranty period and satisfactory performance

If such Guarantee is issued by a foreign bank, it should be countersigned by a Pakistani bank on the approved list of banks.

FORFEITURE OF PERFORMANCE BANKGUARANTEE

The Performance Bank Guarantee wil be forfeited if the service provider fails to deliver or supply goods in accordance with the terms and conditions of the Purchase Order or commits any breach of the Contract / Purchase Order.

H. PAYMENT CLAUSE Payment shall be made on production of

the following documents: -

- a. The Supplier/Vendor submits manually signed invoice in triplicate certifying that merchandise supplied is in accordance with the contract. The invoice must show the Purchase Order No._____, Material Receiving Report No._____, and Acceptance Note No._____, with date, price/rate of each item.
- b. Material/Deliverables Receiving Report (in original) signed by the Authorized Representative of Procuring entity in acknowledgement of having received all supplies/deliverables in accordance with the Purchase Order/Contract Agreement.
- c. Authenticated sales tax invoice in original as prescribed in the Sales Tax Act 1990 (where applicable).
- d. Valid Income Tax Exemption Certificate (otherwise Income Tax at current applicable rates shall be deducted from the invoice). (where applicable)
- e. National Tax Number.
- f. Sales Tax Registration Number.
- g. Certificate in original issued by any one of the Independent Inception (where applicable).
- h. Bank Account Number and Branch.

- i. Recovery of all applicable taxes at source should be made as per rules
- j. Certificate from procuring entity stating Goods as per standard / professional requirement (format given below)

DETAIL OF STANDARDS (if applicable)

S. #	Meets best	Meets acceptable	Meets un	Does not meet
	quality standards	quality standards	acceptable	acceptable
	(5)	(4)	quality standards	quality standards
			(3)	(2)
1.				
2.				
3.				
4.				

Delivery / Deliverable accepted since it meets acceptable / best quality standards (5/4)

(Assessment /Evaluation Officers) Name and Designation

K. OBLIGATIONS AND OPTIONS IN CASE OF NON-FULFILMENT OF CONTRACTUAL OBLIGATIONS BY THE SUPPLIER

The supplier shall perform services in accordance with recognized standards, applicable laws and regulations.

The suppliers shall appoint a focal person who shall coordinate with procuring entity at all times during the execution of the project (representing consultant firm /organization). The Project Coordinator shall have the qualifications as may be agreed between the client and the consultant.

The supplier shall carry out the services with due diligence and efficiency and in conformity with sound practices.

The supplier shall act at all times so as to protect the interests of the Client and shall take all reasonable steps to keep all expenses to a minimum consistent with sound economic and other practices. The supplier shall furnish the Client such information relating to the Services as the Client may from time to time reasonably request.

Except with the prior written approval of the Client, the supplier shall not assign or transfer the Agreement for Goods or any part thereof nor engage any other independent supplier or sub-contractor to perform any part of the services without prior consent of the service providers

The supplier agrees that no proprietary and confidential information received by the supplier from the Client shall be disclosed to a third party unless the supplier receives a written permission from the Client to do so.

Procuring entity may take any of the following actions if after the placement of the Purchase Order the supplier fails to deliver the goods within the prescribed period, according to the specifications, quantities and other terms and conditions given in the Purchase Order/Contract agreement:-

Recover from the supplier as stipulated in the relevant purchase order/contract agreement, equivalent to 0.067% per day (2% per month) of the total value of contract in case of failure to deliver as per agreed timelines, provided that the total penalty shall not be imposed beyond maximum of 10% of the total contract value.

Purchase from any other source, at the risk and cost of the supplier, the goods not delivered or other goods of equivalent specifications, without canceling the Purchase Order/contract agreement;

Cancel the Purchase Order/contract agreement at supplier's risk and cost. In such case, Procuring entity reserves the right to take any action against supplier which it may deem fit under the circumstances including the blacklisting of the supplier; or

Recover any consequential losses/damages incurred by procuring entity by withholding any or all amounts otherwise due to the supplier against this or any other Purchase Order/ Contract.

L. DISPUTES AND CONTROVERSIES/DISPUTE RESOLUTION

Procuring Entity shall constitute a Committee consisting of odd number of persons with proper powers and authorizations to redress complaints of bidders that may arise prior to issuance of Purchase Order/contract agreement, in accordance with the KPP Rules 2014.

If a bidder is not satisfied with the decision of the Committee he may take recourse to the KPK PPRA.

The mere fact of lodging a complaint shall not warrant suspension of procurement process.

Any dispute or difference arising out of the Agreement which cannot be amicably settled between the Parties, shall be finally settled by PPRA whose decision will final and biding on both the parties

M. INDEMNITY

The supplier shall at all times indemnify the procuring entity against the claims which may be made in respect of the goods for infringement of any right protected by patent, registration of design or trade mark and shall take all risks of accident of damages which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfillment of the contract; provided always that in event of any claim in respect of an alleged breach of a patent registered design or trade mark being made against the procuring entity, it shall notify the supplier of the same and the supplier shall be at liberty at his own expense to conduct negotiations for settlements of any litigation that may arise there from.

N. SUB-LETTING CONTRACT

The supplier shall not sub-let or assign this Contract or any part thereof without the written permission of the procuring entity. In the event of the Service provider subletting or assigning this Contract or any part thereof without such permission, the procuring entity shall be entitled cancel the Contract and to purchase the goods elsewhere on the supplier account and risk and the supplier shall be liable for any loss or damage which the procuring entity may sustain in consequence of arising out of such purchase.

O. BRIBES COMMISSION ETC.

Any bribe, commission, gift or advantage given, promised or offered by or on behalf of the Contractor or his partner, agent or servant, or any one on his or their behalf to any officer servant, representative or agent of the procuring entity or any person on its behalf in relation to the obtaining or to the execution of this or any other contract with the procuring entity, shall in addition to any criminal liability which he may incur, subject the contractor to cancellation of this and all other Contracts and also to payments of any loss or damage resulting from such cancellation to the like extent as is provided in cases cancellation under clause 8 hereof; and the procuring entity shall be entitled to deduct the amounts so payable from any moneys, otherwise due to the supplier under this or any other Contract. Any question or dispute as to the commission of any offence under this clause shall be settled by the procuring entity in such manner as it shall think fit and sufficient, and its decision shall be final and conclusive.

P. TERMINATION (End of Services)

The Agreement shall terminate when, pursuant to the provisions hereof, the

Services have been completed and full and final payment has been made.

Termination by the Client

The Client may, by a written notice of thirty (30) days to the supplier, terminate this Agreement. All accounts between the Client and the Service provider shall be settled not later than sixty (60) days of the date of such termination.

Termination by the Supplier

The supplier may suspend the Agreement by a written notice of thirty (30) days only if the supplier does not receive payments due under this Agreement within thirty (60) days of submission of its invoice. If the payment is still not made to the supplier after thirty (30) days of notice of suspension, the Supplier/Vendor may terminate this Agreement in whole or in part by giving fifteen (15) days advance notice of intent to terminate. If the Agreement is terminated by the supplier under such circumstances, the Procuring entity shall pay, within a period of thirty (30) days of the date of such notice of intent to terminate referred above, all payments due to the supplier.

Q. FORCE MAJEURE

The term "Force Majeure" as employed herein shall mean acts of God, strikes, lockout or other industrial disturbances, acts of public enemy, wars, blockades, insurrection, riots, epidemics, landslides, earthquakes, storms, lightning, floods, washouts, civil disturbances, explosions and any other similar events, not within the control of either Party and which by the exercise of due diligence neither Party is able to overcome.

If either Party is temporarily unable by reason of Force Majeure to meet any of its obligations under the Agreement, and if such Party gives to the other Party written notice, of the event within fifteen (15) days after its occurrence, such obligations of the Party, as it is unable to perform by reason of the event, shall be suspended for as long as the inability continues. Neither Party shall be liable to the other Party for loss or damage sustained by such other Party arising from any event referred to as Force Majeure or delays arising from such event. Force Majeure shall not include insufficiency of funds or failure to make any payment required under the Agreement.

R. APPLICABLE LAWS

This Agreement shall, in all respects, be read and construed and shall operate in conformity with the KPPRA Act 2012 and KPP Rules 2014.

S. CONTRACT AMENDMENT

No variation in or modifications to the terms of the Agreement shall be made, except by a written amendment signed by the Parties hereto.

T. NOTICES

Any notice given by any of the Parties hereto shall be sufficient only if in writing and delivered in person or through registered mail as follows:

To: The Client	
To: The Supplie	er
	or to such other address as either of these Parties shall
	designate by notice given as required herein. Notices shall be
	effective when delivered.

U. QUALIFICATION CRITERIA

Following is the qualification criteria. Procuring Entity may add more (in case required) strictly in accordance with the PPRA rules.

- 1. Bidders should be registered entities with the Government (contractor with PEC; Company with SECP or any other authority). However bidders are not required to be locally registered with the procuring entity
- 2. Carrying a National Tax Number (NTN), or a CBR Tax Exemption Certificate;
- 3. Sales tax certificate (where required)
- 4. Financial health (Financial Audit Report, Bank Statement in the past 3 fiscal years);
- 5. Should demonstrate similar experience for at least <specify years>
- 6. Shall provide on a stamp paper an Affidavit stating that the proponent has never been blacklisted by any government/semi-government organizations (procuring entity) under the administrative control of the federal / provincial governments.

PURCHASE ORDER / CONTRACT AGREEMENT

The purchase order is the simplest form of contract for procurement between the procuring entity and the supplier. It is used to form a contract by accepting the successful bidder's quotation, where no contract award notice or detailed contract document is required. The purchase order defines the goods to be supplied, the price to be paid for the goods, works or services and the delivery period required.

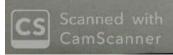
- 2 The purchase order shall carry the following information:
 - The name of the supplier;
 - The date of issue of the Purchase Order;
 - The delivery address;
 - The name of the procuring entity purchasing the items;
 - The Purchase Order Number:
 - The quantity of each item required;
 - Any part or pattern number for each item;
 - A brief description of each item;
 - The unit cost or rate for each item; and
 - The delivery period and whether the delivery is to be made in lots.
- 3. For detailed contract agreement, tender notice condition shall be fulfilled.

Technical Specifications and Quantity of CCTV Cameras



Item wise Proposal for CCTV Surveillance System in Ayub Medical Collage Abbottabad.

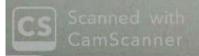
Description	Estimated Qty	
Supply & Installation 2Mp Full F	Star Light 1	
Latest Technology 30x WDR Net	ork IR PTZ	
Speed Dome Camera		
Specifications:		
30x optical zoom		
 Lens 4.5mm ~ 135.0m 	(F1.6 ~ F4.4)	
 H.265/H.264 & MJPEG 	riple-	
stream encoding		
 25/30fps@1080P, 50/ resolution 	Ofps@720P	
Defog, WDR, Day/Nigl	(ICR), Ultra DNR,	
Auto iris, Auto focus		
 Multiple network mor viewer, 	oring: Web	
CMS(DSS/PSS) & DMS		
Max 240°/s pan speed	360°	
endless pan rotation		
Up to 255 presets, 5 a pattern	o scan, 8 tour, 5	
Built-in 2/1 alarm in/o		
Support intelligent 3D	ositioning	
with DH-SD protocol		
Micro SD memory, IP6	Charles of the second second	
IR Distance up to 150n		
ONVIF, PSIA, CGI		
PTZ, protocols, IPv4/ve	HTTP, HTTPS,	
SSL/TLS,, QoS Layer 3	iff Serv,	0
FTP,CIFS/SMB, SMTP,	JPnP, TM,,	3



Jeinty



SNMP v1/v2c/v3 (MIB-II),DNS, Dyn	
DNS, NTP, RTSP, RTP, SFTP, TCP, UDP,	
IGMP , RTCP, ICMP ,DHCP, ARP,	
SOCKS, SSH, NTCIP	
Open API for software integration,	
video motion detection,	
Certification	
• CE:	
• FCC:	
• UL;	
Supply & Installation of 4MP WDR IR Bullet	19
Network Camera Weatherproof Casing, and	
mounting accessories.	
Features	
1/3" 4Megapixel progressive scan	
Exmore CMOS	
H.265+/H.265/H.264+/H.264 triple-stream	
encoding	
• 25/30fps@4Mp(2688×1520)	
Smart Detection supported	
WDR(120dB), Day/Night(ICR), 3DNR,	
AWB, AGC, BLC	
Multiple network monitoring:	
Web viewer, CMS(DSS/PSS) & DMSS	
Lens Type 2.7mm ~12mm motorized lens	
2/1 Alarm in/out, 1/1 audio in/out	
Max. IR LEDs Length 50m	
Micro SD memory,	
• IP67,	A. 16
• Poe	funk



Quit,

•	VS Tripwire, Intrusion,	
(Object	
A	Abandoned/Missing	
	Advanced Intelligent Functions Face Detection,	
• 1	Metal Casing	
• (Certification	
• (CE (EN 60950:2000)	
• 1	UL:UL60950-1	
• 1	FCC: FCC Part 15 Subpart B	
•	Protocols,IPv4/v6, HTTP, HTTPS,,	
	SSL/TLS,, QoS Layer 3, FTP,CIFS/SMB,	
	SMTP, , UPnP TM,, SNMPv1/v2c/v3	
	(MIB-II),DNS, DynDNS, NTP, RTSP, RTP,	
	SFTP, TCP, UDP, IGMP , RTCP, ICMP	
	DUGD ADD COOKS ON	
	,DHCP, ARP, SOCKS, SSH	
128 C	nannel Super 4K Network Video	1
128 Ch Recorde	nannel Super 4K Network Video er. Specifications:	1
128 Ch Recorde	er. Specifications: up to 128 channel IP cameras connection	1
128 Ch Recorde	er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth	1
128 Ch Recorde	er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth Up to 12Mp resolution preview &	1
128 Ch Recorde	er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth	1
128 Ch Recorde	er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth Up to 12Mp resolution preview &	1
128 Ch Recorde	er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth Up to 12Mp resolution preview & playback	1
128 Ch Recorde	er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth Up to 12Mp resolution preview & playback 2 HDMI (up to 3840×2160), 1 VGA	1
128 Ch Recorde	nannel Super 4K Network Video er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth Up to 12Mp resolution preview & playback 2 HDMI (up to 3840×2160), 1 VGA Support 8 hot-swap HDDs	1
128 Ch Recorde	nannel Super 4K Network Video er. Specifications: up to 128 channel IP cameras connection 384Mbps incoming bandwidth Up to 12Mp resolution preview & playback 2 HDMI (up to 3840×2160), 1 VGA Support 8 hot-swap HDDs Support 12Mp, 8Mp, 6Mp,	1
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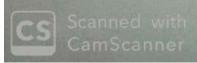
(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop

- Search Mode:
- Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
- Playback Function
- Play, Pause, Stop, Rewind, Fast play,
 Slow play, Next file, Previous file, Next
 camera, Previous camera, Full screen,
 Repeat, Shuffle, Backup selection,
 Digital zoom
- Backup Mode
- USB Device / Network / Internal SATA burner / e-SATA Device
- Support RAID 0/1/5/6/10/50/60
- Support N+M hot standby
- Support iSCSI to expand storage space
- 2 RJ-45 ports (10/100/1000Mbps, 2 Ethernet ports joint working or 2 independent 1000Mbps Ethernet ports
- Two way Audio Talk
- Compatible with Dahua SDK and seamless integrated to other platforms
- Support Multi-brand network cameras: Dahua, Arecont Vision, AXIS,

Quit

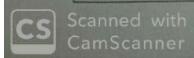


Bosch, Brickcom, Canon,	
CP Plus, Dynacolor, Honeywell,	
Panasonic, Pelco, Samsung, Sanyo,	
Sony, Videotec, Vivotek and etc.	
CHANGE AND	
ONVIF conformance	
Note*	
HDD Quoted Separately.	
Central Management Smart Professional	
Surveillance System Software	
Model: PSS SMART	
Specifications:	
Support IPC, PTZ, NVR, EVS, HCVR, NVS,	
NKB, VDP and etc.	
Easy to manage up to 256 devices or	
2000 channels.	
Support up to 128 live viewing channels,	
main or sub streams from one PC.	
Support 4K cameras. Support 4 265 strooms.	
Support H.265 streams.Support IPv6 devices.	
Support Windows 10.	
Support Smart Track by linking a	
fisheye and PTZ.	
Support multiple tour tasks.	
One channel can be split into different windows.	
Multiple channels can be previewed in channel zero.	
Auto find/import/export supported.	
Up to 36 channels synchronous playback.	A . 1
Time bar and events playback modes available.	Cried
Support joystick to control PTZ	



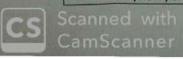


can	neras.	
• Sup	port fisheye camera Virtual PTZ	
ope	ration by mouse.	
Alai	rm can be triggered via different	
	nts including IVS (Optional).	
• Sun	port e-map, you can clearly view	
	manage all device locations.	
• PC-	NVR enables local storage	
	ording.	
	724	318 100
• 10	wall configuration and control.	
- 100	port VDP monitoring, talking,	
ann	ouncement and configuration.	
Acc	ount management supported; and	
diff	erent users share different	
priv	rileges.	
• Log	for event and user activities.	
• Frie	endly GUI for an easy operation.	
	port P2P devices.	
	port fisheye image correction in both live	
	ving and playback. Gen. PC for Live Monitoring and Alarm	2
Manageme Manager So	nt of CCTV Cameras with Security	
• Inte	el 8 th Gen Corei7 — 3.40Ghz Turbo	
up 1	to 3.90Ghz or Better	
• 6M	B Cache or Better	
• 2G	B Graphic Card.	
• 6GE	DDR3 RAM	
• 1TE	3 HDD	A . 1
• Giga	abit Ethernet, Keyboard, Mouse	June
Software Sp	to 4 Monitors for 100 monitoring tiles	r
• Up	to 4 Monitors for 100 monitoring mes	



on each pc		
Supports Video Analyti	cs	
Place video fee	d at any desired tile with	
drag- n-drop		
Display event leg	og message in real time	
Management f	eatures for user's login	
account and pr	ivilege based limited	
accessibility		
Event Monitor	ing: Real time events list,	
searching ever	nts, Reporting, Confirming,	
History, instan	t viewer, instant player,	
Event action.		
Live Monitorin	g: Multi Monitor, Split screen	
mode, PTZ Cor	ntrol, 360 degree viewing,	
Map Monitori	ng, Simple Recording,	
Snapshot/OSD	/Deinterlacing/Digital Zoom	
Functions.		
4TB Surveillance Grad	e HDD	8
Supply & Installation of 2 Core in PVC Pipe / D	of Electric Cable 40/76 uct including Labor	2000
Network Tool Kit com		1
	of CAT-6 Network Cable in cluding the RJ-45 Connectors	4500
55 Inch		2
Screen.		
	el, 4K Resolution, 1.07 Billion Bezel, Metal Casing, HDMI,	
HDMI Cable 25 Feet		2
16 Channel Full HD Ne	etwork Video Recorder	1
Specifications:		AI
Up to 16 channel I		Jems
 H.265/H.264/MJPI 	EG dual codec decoding	

Max 256Mbps incoming bandwidth	
 Up to 8ch@1080P(4ch@H.265+4ch@H. 	264)
real- time live-view	
Up to 12Mp resolution preview & playba	ack
HDMI/VGA simultaneous video output	
16 channel synchronous real-time playb	ack,
GRID interface	
Support Multi-brand network cameras:	Dahua,
Arecont Vision, AXIS, Bosch, Brickcom, C	Canon,
CP Plus, Honeywell, Panasonic, Pelco,	
Samsung, Sanyo, Sony, Videotec, Vivote	k and
etc.	
ONVIF Version 2.4 conformance	
3D intelligent positioning with Dahua PT camera	Z
 Support 2 SATA HDDs up to 12TB, 2 USB USB3.0) 	(1
Support IPC UPnP	
Support P2P, QR code scan & add	
Multiple network monitoring: Web	
viewer, CMS(DSS/Smart PSS) & Smart	
Phone(DMSS)	
Note*	
HDD Quoted Separately.	
Layer 2 Full Gigabit industrial Grade Fiber C	Combo 1
Switch Support Both Ring & Star Network	
Model: PFS5924-24X	
Specifications:	
16 dedicated SFP Fiber Ports 8 Combo Gigabit Ports	A
Support VLAN, Link Aggregation,	Cent
Port Management,	
STP/RSTP/ERPS, IGMP, Static IP Routi	ng





L2+ Managed Switch	
> Powerful Processing Capacity	
Perfect Security Control Strategy	
Perfect Reliability Protection Mechanism	
Convenient Management and Maintenance POE Switch 8-Port industrial Grade with Gigabit	9
Uplink Port	9
8-Port PoE Gigabit Managed Switch, Layer 2 network management PoE switch , Support IEEE802.3af, IEEE802.3at standard, Network Redundancy: STP/RSTP/MSTP, Support IPv4/IPv6, and DHCP, Network management based on SNMP, EMC high protection design, 8*10/100/1000 Base-T POE + 2*SFP Ports,	
Gigabit SFP Module	20
Industrial Grade Gigabit SFP Module • Single fiber bi-directional transmission • Single mode 20KM range • Wide-range temperature application: -40°C • ~85°C	
Supply & Installation of 12 Core Fibers Optic	2000
Cable Imported in PVC Pipe along with	
Installation.	
Patch cord Pigtails and other related accessories in all Aspects.	
ODF/ Patch Panel 24 Port for control	6
Room and for cameras end also full loaded	
Schneider	
Installation of CIVIL Work including digging & Back	2000
filling, Road Cutting, Hard Digging PTCL Standard	
up to with 1 ½ feet HD	(A)
Pipe.	Jeli
Splicing of the complete systems.	1
Polls (L-shape) 12 feet from top of the surface	4

1		1
11	,	1
(1	1

Network cabinets 4 U Full Weatherproof for outdoor installation.	
Fiber Patch Cords	10
OFC Pig Tails	10
1KVA UPS with Dry Battery for Long Backup.	7
Water-proof Junction Box For outdoor Camera Mount.	32
Complete System Installation, Configuration, and Testing Commissioning including 1 year Free Services of all equipment.	1 Qu

NOTE : Quantity can be increase or decrease