Panorama Camera

KD5-P121F18iAV
12MP Network IR
Panorama Fisheye Camera

ONVIF

DESCRIPTION

The KD5-P121F18iAV Ultrakpa professional network panorama camera incorporates 12MP 1/1.7-type CMOS image sensor providing smooth 12MP (4000x3000/30fps) outstanding crisply detailed vibrant images with no blind spots for professional video security and surveillance applications via intelligent detection: intrusion and tripwire; in addition to heat mapping and people counting.

The KD5-P121F18iAV cameras support massive features such as motion detection, triple streaming capability, digital wide dynamic range, backlight compensation, highlight compensation, day and night (ICR), 3D digital noise reduction, privacy masking for 4 positions, smart IR for 10 meters distance in low luminance or totally dark environments ensuring that every detail is seen clearly.

The KD5-P121F18iAV cameras provide high quality image with ultra low bit rate H.264 and H.265 video compressions; coming in weatherproof IP67 IK10 outdoor compact metal enclosure with 12V DC and POE operation; support 256GB Micro SD card and built in microphone, speaker and alarm.

MAIN APPLICATIONS

- Professional Video Surveillance Indoor Applications in retail stores, schools, restaurants, hotels, corridors, boutiques, commercial buildings and offices.

- Professional Video Surveillance Outdoor Applications in gas stations, airports, seaports, streets.

MAIN FEATURES

- **12MP 1/1.7'' CMOS Sensor**
- **4000x3000@30fps**
- **Day & Night (ICR)**
- **Digital Noise Reduction (3D)**
- **Privacy Mask Function**
- **Motion Detection**
- **Triple Streaming**
- **Support up to 256GB SD Card**
- **DWDR, HLC, BLC**

- **;`fVV?[YVVf 3`S⁄ke[e**
- **4g[⁄f [̀? [UdabZa ̀Wand Speaker**
- **Smart H.264/H.265 Compressions**
- **Region of Interest**
- **Defog, Smart IR LED (10m)**
- **Heat Mapping and People Count**
- **ONVIF Compliant**
- **12VDC/POE**
- **IP67, IK10**

ULTRAKPA

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TECHNICAL SPECIFICATIONS

CAMERA

Image Sensor	1/1.7'' 12MP Progressive CMOS Sensor
Active Pixels	4000(H) x 3000(V) = 12M Pixels
Frame Rate	Main Stream: 4000x3000@1fps-30/25fps Sub Stream: 704x576@1fps-30/25fps Third Stream: 1280x960@1fps-17/17fps
Min Illumination	0.01lux @F2.0
IR Control	Manual/Auto
IR Distance	10 meters (33ft)

LENS

Lens Type	Fixed
Focal Length	1.8mm
Max. Aperture	F2.0
Angle Of View	185°
H,V	180°

VIDEO

Video Compression	H.265, H.264 , H.264H, MJPEG (Sub Stream)
Stream Cability	Triple Streaming
Resolution	12M(4000x3000), 8M(3280x2480),6M(2880x2160) 3M(2048x1536),1.3M(1280x960),D1(704x576/480), CIF (352x288/240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 8~16384Kbps, H.265: 3~16384Kbps
Intelligent Analysis	Tripwire, Intrusion, Heat Mapping, People Counting

CAMERA FUNCTIONS

Day & Night	Auto(ICR) / Color / B/W
DWDR	Available
BLC	Available
HLC	Available
DNR	3D
Privacy Mask	Off / On (4 positions)
Gain Control	Manual/Auto
White Balance	Auto /Natural /Street Lamp / Outdoor / Manual
Motion Detection	Off / On (4 positions)
Region of Interest	Available (4 positions)
Electronic Shutter Speed	Auto/Manual 1/3~1/100000 sec
Smart IR	Available
Defog	Available
Built in Microphone	Available
Audio Compression	G.711a, G.711Mu, G.726, G.723, PCM
Alarm	2/2

NETWORK

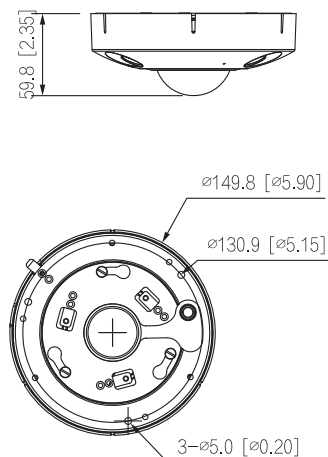|	
Network	RJ-45 (100/1000Base-T)
Users	Up to 20
Protocol	IPv4,IPv6,HTTP, HTPPs,TCP,UDP,ARP,RTP,RTSP,RTCP, ICMP, IGMP, RTMP, SFTP,NFS,SAMBA,SNMP,SMTP, FTP,DNS,DDNS,QoS,UPnP,NTP,PPPoE
Mobile Phone	IOS, Android
Compatibility	ONVIF (Profiles S,G,,T),Milestone, PSIA, CGI, Gentec

ENVIRONMENT

Storage	- 40°C to +60°C, -40F° to 140°F
Operation	- 30°C to +70°C, -22F° to 158°F
Humidity	80%RH (non condensing) less than 95%(non condensing)
Altitude	3000 meter maximum, 10,000 feet maximum

GENERAL

Power Source	DC12V /POE+
Power Consumption	12W
Ingress Protection	IP67
Vandal Resistance	IK10
Weight	0.9Kg

DIMENSIONS
Unit : mm

59.8 [2.35]
∅149.8 [∅5.90]
∅130.9 [∅5.15]
3−∅5.0 [∅0.20]

Conversion: 1" = 25.4mm
Measurement conversions are approximate