IC REALTIME™

QUANTUM-4s-DP12-IV
12MP Smart AI Fisheye Network Camera with IR and mic

The QUANTUM-4s-DP12-IV is an IP67 IK10 vandal proof 12MP Smart AI fisheye network camera with a low luminence sensor and can provide 360° surveillance coverage of a single area. Removing the requirement for multiple scene overview cameras, the camera can be viewed in its' native fisheye view or switched quickly to allow operators to observe specific areas by de-warping the single channel view giving numerous and flexible view options.

With its advanced Smart AI chipset, sectors such as retail, warehousing and distribution, banking, and hotels can benefit greatly from the various business driven intelligent functions. Stereo image and deep learning technologies provide the base for In Area Number People Counting which can accurately count or alert on people within an area in real time. It supports multiple area Queue management, a solution which can detect when customers are in an area or left standing for too long when paying for goods for example.

Heat mapping functionality can display accurate reports based on the number of people or average standing time. This feature enables business owners easily analyse customer preferences.

Also, incorporated in the QUANTUM-4s-DP12-IV are intelligent detection functions such as tripwire and intrusion. The camera is ONVIF compliant meaning seamless compatibility with 3rd party recorders and VMS's.

IP	12MP	H.265	I/O			
IP Technology	12MP Resolution	H.265 Compression	Alarm & Audio In/Out	Intelligent Detection	People Counting	Heat Mapping

PERFORMANCE

Image Sensor	1/1.7" CMOS
Chipset	ICR
RAM/ROM	2GB/4GB
Effective Pixels	4000(H) x 3000(V)
Video Compression	H.265, H.265, H.264H, H.264
Audio Compression	G.711A, G71Mu, PCM, G.726, G.723
Resolution (Max)	12MP
Streams (Total)	3
- Main Stream	4000 x 3000 (1~25FPS)
- Sub Stream	704 x 576(1~20/30FPS)
- Third Stream	1280 x 960 (1~17FPS)
Bit Rate	8 ~ 16,384Kbps (H.264) 8~ 16,384bps (H.265)
Blacklight Compensation	BLC / HLC
Wide Dynamic Range	DWDR
White Balance	Auto / Manual / Preset
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Privacy Masking	4 areas
Special Functions	IVS/Heat Map/People Counting

LENS

Focal Length	1.85mm
Max Aperture	Fixed
Focus Control	F2.0
Angle of View	H: 185°, V: 180°,
Detect (DORI)	25px/m - Wide = 40m
Observe (DORI)	63px/m - Wide = 16m
Recognize (DORI)	125px/m - Wide = 8m
Identify (DORI)	250px/m - Wide = 4m

DAY & NIGHT

Min. Illumination	Colour 0.01 Lux @ F2.0 0 Lux @ F1.6 (IR On)
Day/Night	Auto (ICR) / Colour/ B&W
IR Distance	10m (Smart IR)

CONNECTIVITY

Ethernet	1 - RJ45 (10/100Base-T)
Analogue Port	–
Alarm Input	2
Alarm Output	1
Audio Input	1
Audio Output	1
RS-485	–
Memory Slot	Micro SD (Max 256GB)

SOFTWARE

Network Functions	IPv4/ IPv6, HTTP,HTTPS, SSL, TCP/IP,UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, 802.1x, IGMP, SFTP
Smart Phone/ Tablet	EasyViewer/ DMSS / ICView
PC/ Mac Software	Smart PSS/ DSS Express/Pro / Web
Interoperability	ONVIF, CGI, Milestone, Genetec
Intelligent Functions	Tripwire / Intrusion IVS, Heat Map, People Counting, Smart Search, Reports
Trigger Mode	Manual / Auto (alarm triggered)
Trigger Event	Manual / Auto (alarm triggered)

ENVIRONMENTAL

Power	12v DC (±30%), PoE (802.3af, Class 0)
Consumption	6.5W Basic - Max 13.9w (PoE)
Working Environment	-40°C~60°C / Less than 95%RH
Ingress Protection	IP67
Vandal Protection	IK10
Casing Material	Metal
Dimensions	Ø149.8mm x 59.8mm
Weight	0.79kg NET / 1.21kg Gross

ACCESSORIES (OPTIONAL)

Junction Base - BASE-132-W
Ceiling Mount - MNT-PFB300C

Ceiling Adapter Plate - PLA-100-W

Wall Mount- MNT-302-W

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