IC REALTIME | QUANTUM

QUANTUM-2s-DP12-IV

The QUANTUM-2s-DP12-IV is a 12 MegaPixel 360 degree camera that has an IP67 weatherproof rating as well as IK10 vandal proof rating. It is capable of viewing a wide area and de-warping the native fisheye view into a stream that is undistorted to the human eye.

Its advanced chipset supports intelligent functions such as Heat Mapping to provide valuable business intelligence to many industries including the FMCG industry.

Utilising a cutting edge SoC the QUANTUM-2s-DP12-IV has H.265 compression (High Efficiency Video Coding) as standard, H.265 was developed to improve HDD storage requirements and reduce bandwidth consumption. For example, at an identical level of visual quality the H.265 codec enables video to be compressed to a file about half the size (or half the bit rate) of H.264.

The QUANTUM-2s-DP12-IV also incorporates IR's for night vision up to 10m, an internal SD card slot and a built in microphone and alarm I/O (2/1).

IP	12MP				I/O
IP Technology	12MP Resolution	Intelligent Detection	Fisheye	Heat Mapping	Alarm & Audio In/Out

● PERFORMANCE

Image Sensor	1/1.7"
Chipset	Ambarella
RAM/ROM	1024MB / 128MB
Effective Pixels	4000 (H) x 3000 (V)
Video Compression	H.265E, H.265, H.264E, H.264
Audio Compression	G.711a, G.711Mu, AAC, G.726
Resolution (Max)	12MP (4000 x 3000)
Streams (Total)	3
- Main Stream (Max)	12MP (1~25fps)
- Sub Stream (Max)	D1 (1~25fps)
- 3rd Stream (Max)	1.3MP (1~25fps)
Blacklight Compensation	BLC / HLC
Wide Dynamic Range	DWDR
Bit Rate	3~ 9,984Kbps (H.265) 8 ~ 16,384Kbps (H.264)
White Balance	Auto / Natural / Street Lamp etc
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Privacy Masking	Up to 4 areas
Special Functions	ROI, Defog

● LENS

Focal Length	1.98mm
Max Aperture	F2.8
Lens Type	Fixed
Angle of View	H: 180° / V: 180°

● DAY & NIGHT

Min. Illumination	Colour 0.001 Lux @ F2.8 IR On 0 Lux @ F2.8
Day/Night	Auto (ICR) / Colour / B&W
IR Distance	10m (Max)

● CONNECTIVITY

Ethernet	1 - RJ45 (10/100/1000Base-T)
Analogue Port	–
Alarm Input	2 (5mA, 5VDC)
Alarm Output	2 (1A 30VDC / 0.5A 50VAC)
Audio Input	1 (Built in Microphone)
Audio Output	1
RS-485	–
Memory Slot	Micro SD (Max 128GB)

● 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, Bonjour, 802.1x
Smart Phone/ Tablet	ICRSS Pro / ICView
PC/ Mac Software	Smart ICRSS / Web Browser
Interoperability	ONVIF, PSIA, CGI
Intelligent Functions	Tripwire, Intrusion, Heat Mapping
Trigger Mode	Manual / Auto (Alarm Triggered)
Trigger Event	Manual / Auto (Alarm Triggered)

● ENVIRONMENTAL

Power	12vDC PoE (802.3af, Class 0)
Consumption	<12W
Working Environment	-30°C ~ +60°C / Less than 95% RH
Ingress Protection	IP67
Vandal Protection	IK10
Casing Construction	Metal
Dimensions	Ø149.8mm x 47.7mm
Weight	0.58kg NET / 1.00kg Gross

● ACCESSORIES (OPTIONAL)

Junction Base	BASE-138-W
Wall Mount	PLA-100-W + MNT-302-W
Ceiling Mount	PLA-100-W + MNT-CM3
Pole Mount	PLA-100-W + MNT-302-W + MNT-PM152

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