

QUANTUMRED

Vision, beyond the limits.



QuantumRed

Assembled IP PoE Interface Board

Accuracy

Accurate temperature
Measurement and
High quality imaging

Expandability

Supports various video
Formats for multiple
applications

Efficiency

Low cost, space free,
comfortable,
easy installation

It can be used as an IP monitoring device by being integrally combined with HanwhaSystems QuantumRed module.

It can be used as a camera product by mounting it in a minimal size in an external housing desired by the user.

It supports the ONVIF standard, making it easy to add thermal imaging cameras to existing CCTV systems.

It supports PoE, so no extra power work is required.

Key Features

- Board combined with QuantumRed(QR, QRT100, VR)
- Thermal imaging module control through Web-browse
- Support H.264, H.265, MJPEG streaming
- ONVIF/Zero Configuration support
- Operates in -35°C ~ +70°C environment.
- DC12V or PoE powered operation

QuantumRed Assembled IP PoE Interface Board Technical Specifications

Video

Resolution	640x480, 320x240 for QuantumRed QR/QRT100/VR
Streaming	Simultaneously H.265, H.264 & MJPEG (Multi Streaming)
Bitrate Control	CBR/VBR
Frame Rate	30Hz / 60Hz
1-ref NUC	One Push
Shutter	AUTO, OFF, MANUAL
Pallets	OFF, MODE1, MODE2, MODE3, MODE4
Video Rotation	Flip, Mirror
Sharpness	OFF, MODE1, MODE2, MODE3
Noise Filter	OFF, MODE1, MODE2, MODE3
Brightness	0 ~ 40
Contrast	0 ~ 40
Hot Color	White, Black

Network

Ethernet	RJ45(10/100 Base-T)
Protocol	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf
Onvif	ONVIF Profile S, T Compliant
SDK Support	API
Network Time Sync.	Synchronized with Computer or NTP Server, Manual
User/Host	Up to 10 users

Operational

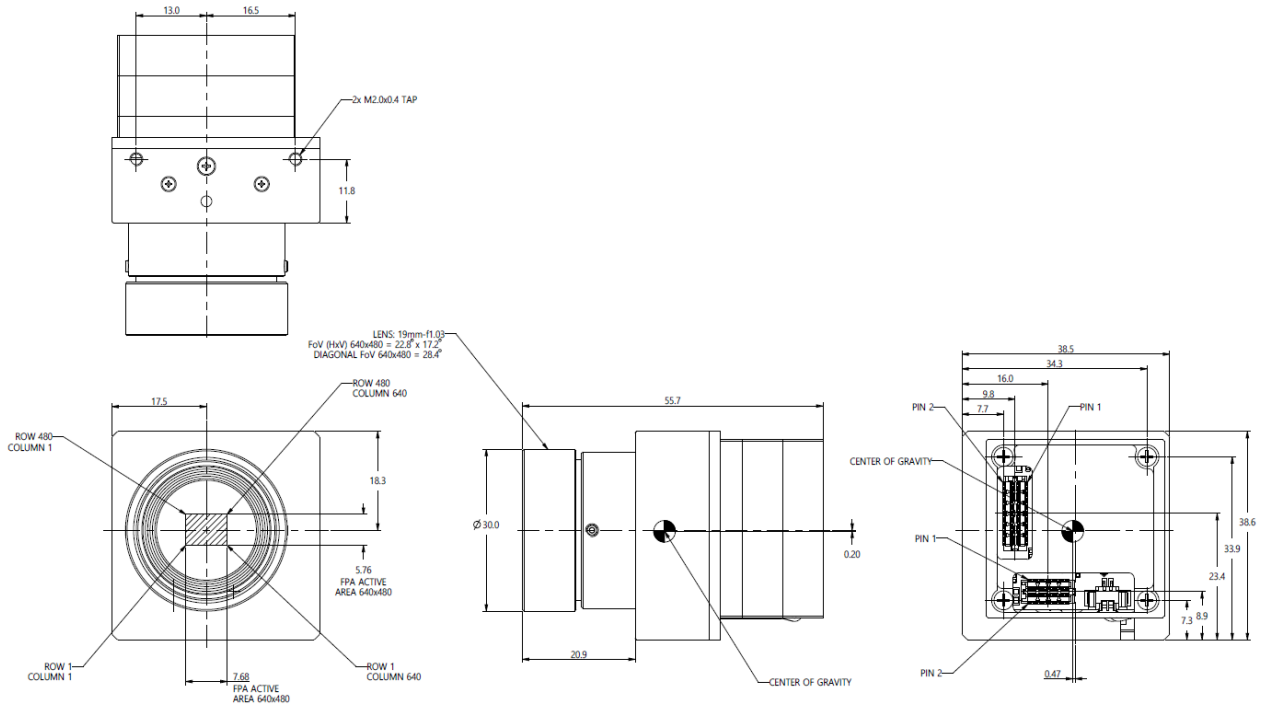
Web Viewer	MS Explorer, MS Edge, Chrome, Firefox, Safari
Privacy Mask	Up to 4 area
Motion Detection	Up to 4 area
OSD	Cam Title, Date/Time, up to 16 characters
Alarm	Option- IN(3.3V) / OUT(Open Collector)
Audio	Not Available
SD slot	Not Available
Connector	Power Input - 2p Pluggable Terminal for DC12V / GND I/O (Option) - 5p Pluggable Terminal for Alarm IN / OUT / GND / UART Tx/D / UART Rx/D RJ45 socket for Ethernet

Environmental & Electrical

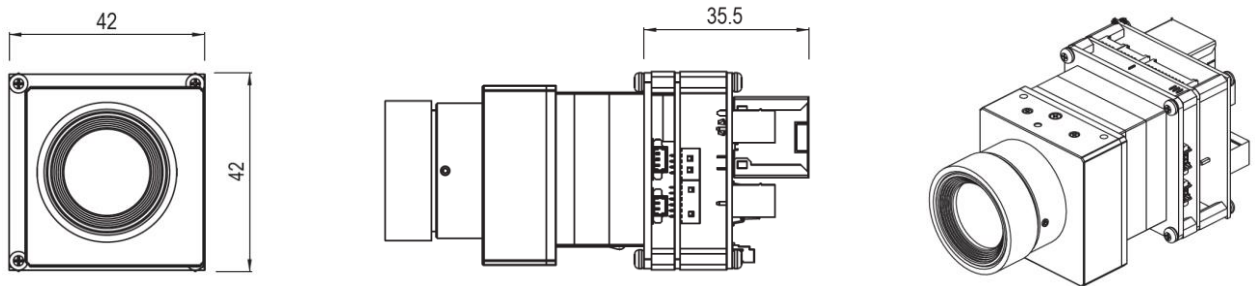
Operating Temp.	-35°C ~ 70°C
Storage Temp.	-40°C ~ +85°C
Power	DC12V ±10% / PoE(IEEE 802.3af, Class3)
Dimension(IP Section only)	DC : 42mm(W)x42mm(H)x35.5mm(D) / PoE : 42mm(W)x42mm(H)x53.7mm(D)
Weight	DC : 40.5g / PoE : 63.0g

QuantumRed Assembled IP PoE Interface Board Dimensions

QuantumRed VR(19mm lens) Base Module Dimension (unit : mm)



DC Interface Type Dimension (unit : mm)



PoE Interface Type Dimension (unit : mm)

