

QUANTUMRED

Vision, beyond the limits.



QuantumRed

Dome Type Camera

Accuracy

Accurate temperature
Measurement and
High quality imaging

Expandability

Supports various video
Formats for multiple
applications

Efficiency

Low cost, space free,
comfortable,
easy installation

This is a dome type thermal imaging camera equipped with HanwhaSystems QuantumRed module. It satisfies the IP66 standard and can be easily installed outdoors to view thermal images.

It can be used in a wide range of fields such as monitoring inside/outside buildings, smart factories, and smart farms.

Key Features

- Camera combined with HanwhaSystems 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
- PoE powered operation (Only)

QuantumRed Dome Type Camera 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	RJ-45(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

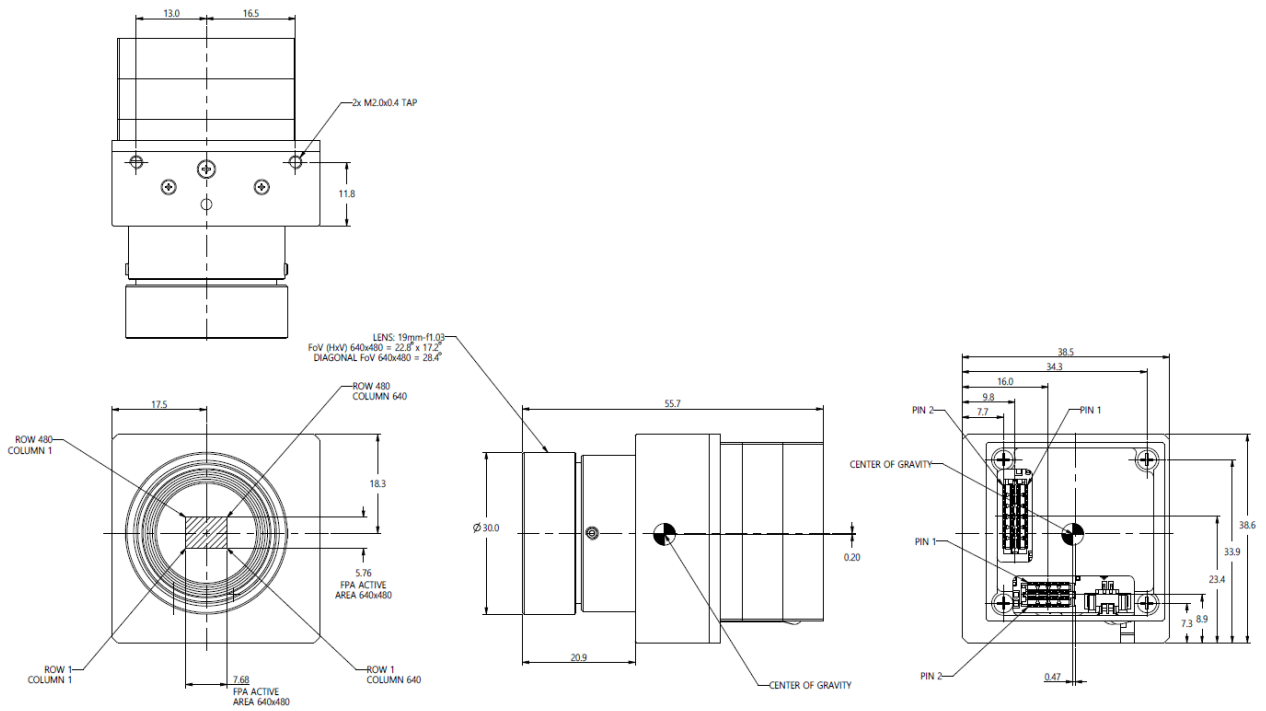
Web Viewer	MS Explorer, MS Edge, Chrome, Firefox, Safari
Privacy Mask	Up to 4 area
Motion Detection	Up to 4 area
OSD	Cam Title, Date/Time, up to 16 characters
Alarm	Option- IN(3.3V) / OUT(Open Collector)
Audio	Not Available
SD slot	Not Available
Connector	1x RJ45 socket, 1x DC Jack

Environmental & Electrical

Operating Temp.	-35°C ~ 70°C
Storage Temp.	-40°C ~ +85°C
Power	DC12V ±10% / PoE(IEEE 802.3af, Class3)
Housing Material	Aluminum
Cable Length	Approx. 500mm
Cable Inlet/Outlet	2x Silicon Grommet
Ingress Protection	IP66
NDAA	Compatible
Dimension(IP Section only)	114mm(Ø) x 117.3mm
Weight	TBD

QuantumRed Dome Type Camera Dimensions

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



Dome Type Camera Dimension (unit : mm)

