AI VIEW

AI SECURITY CAMERA
P-SERIES DATASHEET

made with
Qualcomm
Technologies

CAMERA	CPU & MEMORY	IMAGE SENSOR	RESOLUTION & FRAME RATE	AI FUNCTION	APPLICATION
AI VIEW P200-0803F Camera Bullet	QCS605 32GB+3GB	1/1.8" - Sony	UHD 4K 60 fps	Face/body detection Face recognition Object tracking People counting	Supervision Office Mall School Smart Parking Outdoor/Indoor Wide-angle Monitoring
AI VIEW P200-0802N Camera Bullet	QCS605 32GB+3GB	1/1.8" - Sony	UHD 4K 60 fps	Face/body detection Face recognition Object tracking People counting	Supervision Office Mall School Smart Parking Outdoor/Indoor Wide-angle Monitoring
AI VIEW P400-0803F Camera Dome	QCS605 32GB+3GB	1/1.8" - Sony	UHD 4K 60 fps	Face/body detection Face recognition Object tracking People counting	Supervision Office Mall School Smart Parking Outdoor/Indoor Wide-angle Monitoring
AI VIEW P400-0802N Camera Dome	QCS605 32GB+3GB	1/1.8" - Sony	UHD 4K 60 fps	Face/body detection Face recognition Object tracking People counting	Supervision Office Mall School Smart Parking Outdoor/Indoor Wide-angle Monitoring
AI VIEW P450-0803F Camera Dome	QCS605 32GB+3GB	1/1.8" - Sony	UHD 4K 60 fps	Face/body detection Face recognition Object tracking People counting	Supervision Office Mall School Smart Parking Outdoor/Indoor Wide-angle Monitoring
AI VIEW P450-0802N Camera Dome	QCS605 32GB+3GB	1/1.8" - Sony	UHD 4K 60 fps	Face/body detection Face recognition Object tracking People counting	Supervision Office Mall School Smart Parking Outdoor/Indoor Wide-angle Monitoring

AI VIEW

4K BULLET
P200-0803F

AI Security Camera

FPS UHD 4K 60FPS

-40°C ~ +80°C (-40°F to 176°F)

OPTIMIZEDIR WITH 30 M (98 FT) RANGE

ELECTRONIC IMAGE STABILIZATION

P200-0803F UHD 4K 60fps

P200-0803F Network Camera is an all-integrated camera delivering 4K resolution and for easy and flexible installation at any distance as well as detailed video for identification. With a wide temperature range, impact resistance and IP66, IK10, this reliable camera is ready for tough environments. Lightfinder, Forensic WDR ensure details in challenging light conditions and darkness. P200-0803F offers built-in analytics for proactive surveillance, corridor format and audio in for video with sound.

HDTV NETWORK VIDEO

open security & safety alliance

ONVIF | SGT

CAMERA

Application	Supervision Office, Mall, School, Smart Parking, Outdoor/Indoor, Wide-angle Monitoring, Traffic Monitoring…
Processor	Qualcomm QCS605 Qualcomm® Kryo™ 300 CPU, Octa-core 64-bit 2.5GHz 10nm Qualcomm® Adreno™ 615 GPU Qualcomm® Hexagon™ 685 DSP
Image Sensor	1/1.8" CMOS, Sony IMX334
Electronic Shutter Speed	Minimum / Maximum: 2~1/20,000sec Anti Banding
Automatic day/night	Support
Minimum illumination	Color: 0.005Lux, IR: 0.001Lux F1.7

AI INSIDE

AI Features	**Face detection** • Detect face in: 5~7m • Accuracy: 96% • Latency: 0,4~0,6s/frame
	Face recognition • Recognize face in: 6~8m • Accuracy: 99,5% • Latency: 0,3~0,5s/frame
	ANPR • Detect licence plate in: 10m • Acurracy: 99,5% • Processing speed: 0,3s/frame
	People counting • Detect body in: 15m • Accuracy: 98% • Processing speed: 0,3s~0,5s/frame
	Vehicle counting • Detect vehicle in: 15m • Accuray: 98% • Processing speed: 0,3s~0,5s/frame
Tamper detection	Support by hardware
Motion Detection	Multi polygonal zones

IMAGE

Night Vision Technology	Support
Wide Dynamic Range	120dB
Backlight Compensation	BLC, HLC, WDR
Digital Noise Reduction	Qualcomm ANR
Gain Control	Low / Middle / High
White Balance	Manual / Indoor / Outdoor / Bright / Night
Video Rotation	Mirror, Flip
Bitrate Control	H.265/H.264: CBR

VIDEO

Resolution	8MP
Frame rate	60 fps
Video compression	H.264, H.265
Image stabilization	EIS
Streaming	Allow upto twenty (20) simultaneous multi-streams using H.265, H.264

LENS

Optical Zoom	3x
Focal Length	10.9 - 29 mm ± 5%
FOV (Horizontal, Vertical)	H: 42º(W)- 15º(T) V: 22.8º(W) - 8.4º(T) D: 48.7º(W) - 17.1º(T)
Min. Object Distance	Wide: 2.5m～∞, Tele: 6m～∞
Auto IRIS	F1.7±5%
Auto focus	Support

AUDIO

Audio In	Selectable (mic in/line in) Supply 1.8V, 3mA output current, Impedance detection: 4 to 70 kΩ
Audio Out	Lineout: - 30.8 mW (typical) with 32 Ω - 61.6 mW (typical) with 16 Ω
Audio compression	Support MP3, AAC, 16-bit PCM, 24-bit PCM, FLAC, sample rate 8/11.025/16/22.05/32/44.1/48/64/88.2/96/176.4/192 kHz

NETWORK CONNECTIVITY

Interface	RJ-45 cable connector for Network 10/100/1000 Mbps
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTSP, HTTP, HTTPS, SSI/TLS, DHCP
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox (Window 64bit only), Apple Safari (Mac OS X only)
Security	Password Protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication

GENERAL

Casing	IP66, IK10
Color / Material	Top : White / Aluminum Bottom : White / Aluminum
Operation Temperature / Humidity	-40º~+80ºC; 10-100%RH
Dimensions	306 (L) x 89 (W) x 99 (H) mm
Weight	2.5 kg
Memory	3GB RAM, 32GB Flash
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 20m (65ft) or more depending on the scene
Wiper & Heater	Not support
Mirco SD Card	External, up to 256G
Power	PoE IEEE 802.3af/802.3at Max 13W, 12VDC
GPS	Support
Wi-Fi	Not support

PTZ

Pan/Tilt/Zoom	Not support
PT speed	Not support

SYSTEM INTEGRATION

Application Programming Interface	ONVIF Profile S/G/T
Analytics	Directional detection, Face detection, Motion detection, Enter/Exit, Traffic, ANPR
Alarm Triggers	Network disconnect
Alarm Events	FTP, Email, Server VA, Sound Alarm output

4K BULLET
P200-0802N

AI Security Camera

FPS UHD 4K 60FPS	-40°C ~ +80°C (-40°F to 176°F)
OPTIMIZEDIR WITH 30 M (98 FT) RANGE	ELECTRONIC IMAGE STABILIZATION

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HDTV NETWORK VIDEO

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CAMERA

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Image Sensor	1/1.8" CMOS, Sony IMX334
Electronic Shutter Speed	Minimum / Maximum: 2~1/20,000sec Anti Banding
Automatic day/night	Support
Minimum illumination	Color: 0.005Lux, IR: 0.001Lux F1.4

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AI Features	**Face detection** • Detect face in: 5~7m • Accuracy: 96% • Latency: 0,4~0,6s/frame
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Tamper detection	Support by hardware
Motion Detection	Multi polygonal zones

IMAGE

Night Vision Technology	Support
Wide Dynamic Range	120dB
Backlight Compensation	BLC, HLC, WDR
Digital Noise Reduction	Qualcomm ANR
Gain Control	Low / Middle / High
White Balance	Manual / Indoor / Outdoor / Bright / Night
Video Rotation	Mirror, Flip
Bitrate Control	H.265/H.264: CBR

VIDEO

Resolution	8MP
Frame rate	60 fps
Video compression	H.264, H.265
Image stabilization	EIS
Streaming	Allow upto twenty (20) simultaneous multi-streams using H.265, H.264

LENS

Optical Zoom	2x
Focal Length	4.36 - 9.33 mm ± 5%
FOV (Horizontal, Vertical)	H: 111.96º(W) - 47.23º(T) V: 58.11º(W) - 26.53º(T) D: 136.89º(W) - 54.16º(T)
Min. Object Distance	Wide: 1m～∞, Tele: 2.5m～∞
Auto IRIS	F1.36～2.0±5%
Auto focus	Support

AUDIO

Audio In	Selectable (mic in/line in) Supply 1.8V, 3mA output current, Impedance detection: 4 to 70 kΩ
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Security	Password Protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication

GENERAL

Casing	IP66, IK10
Color / Material	Top : White / Aluminum Bottom : White / Aluminum
Operation Temperature / Humidity	-40º~+80ºC; 10-100%RH
Dimensions	306 (L) x 89 (W) x 99 (H) mm
Weight	2.5 kg
Memory	3GB RAM, 32GB Flash
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 20m (65ft) or more depending on the scene
Wiper & Heater	Not support
Mirco SD Card	External, up to 256G
Power	PoE IEEE 802.3af/802.3at Max 13W, 12VDC
GPS	Support
Wi-Fi	Not support

PTZ

Pan/Tilt/Zoom	Not support
PT speed	Not support

SYSTEM INTEGRATION

Application Programming Interface	ONVIF Profile S/G/T
Analytics	Directional detection, Face detection, Motion detection, Enter/Exit, Traffic, ANPR
Alarm Triggers	Network disconnect
Alarm Events	FTP, Email, Server VA, Sound Alarm output

AI VIEW

4K DOME
P400-0803F

AI Security Camera

FPS UHD 4K 60 FPS	**-40°C ~ +80°C (-40°F to 176°F)**
OPTIMIZEDIR WITH 30 M (98 FT) RANGE	**ELECTRONIC IMAGE STABILIZATION**

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CAMERA

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Image Sensor	1/1.8" CMOS, Sony IMX334
Electronic Shutter Speed	Minimum / Maximum: 2~1/20,000sec Anti Banding
Automatic day/night	Support
Minimum illumination	Color: 0.005Lux, IR: 0.001Lux F1.7

AI INSIDE

AI Features	**Face detection** • Detect face in: 5~7m • Accuracy: 96% • Latency: 0,4~0,6s/frame
	Face recognition • Recognize face in: 6~8m • Accuracy: 99,5% • Latency: 0,3~0,5s/frame
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Tamper detection	Support by hardware
Motion Detection	Multi polygonal zones

IMAGE

Night Vision Technology	Support
Wide Dynamic Range	120dB
Backlight Compensation	BLC, HLC, WDR
Digital Noise Reduction	Qualcomm ANR
Gain Control	Low / Middle / High
White Balance	Manual / Indoor / Outdoor / Bright / Night
Video Rotation	Mirror, Flip
Bitrate Control	H.265/H.264: CBR

VIDEO

Resolution	8MP
Frame rate	60 fps
Video compression	H.264, H.265
Image stabilization	EIS
Streaming	Allow upto twenty (20) simultaneous multi-streams using H.265, H.264

LENS

Optical Zoom	3x
Focal Length	10.9 - 29 mm ± 5%
FOV (Horizontal, Vertical)	H: 42º(W)- 15º(T) V: 22.8º(W) - 8.4º(T) D: 48.7º(W) - 17.1º(T)
Min. Object Distance	Wide: 2.5m～∞, Tele: 6m～∞
Auto IRIS	F1.7±5%
Auto focus	Support

AUDIO

Audio In	Selectable (mic in/line in) Supply 1.8V, 3mA output current, Impedance detection: 4 to 70 kΩ
Audio Out	Lineout: - 30.8 mW (typical) with 32 Ω - 61.6 mW (typical) with 16 Ω
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NETWORK CONNECTIVITY

Interface	RJ-45 cable connector for Network 10/100/1000 Mbps
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Security	Password Protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication

GENERAL

Casing	IP66, IK10
Color / Material	Top : White / Aluminum Bottom : White / Aluminum
Operation Temperature / Humidity	-40º~+80ºC; 10-100%RH
Dimensions	296.5 (L) x 165 (W) x 266.5 (H) mm
Weight	3.5 kg
Memory	3GB RAM, 32GB Flash
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 20m (65ft) or more depending on the scene
Wiper & Heater	Not support
Mirco SD Card	External, up to 256G
Power	PoE IEEE 802.3af/802.3at Max 13W, 12VDC
GPS	Support
Wi-Fi	Not support

PTZ

Pan/Tilt/Zoom	Pan: 360° Tilt: 65°
PT speed	Manual pan speed 0.1~150°/S Manual tilt speed 0.1~50°/S

SYSTEM INTEGRATION

Application Programming Interface	ONVIF Profile S/G/T
Analytics	Directional detection, Face detection, Motion detection, Enter/Exit, Traffic, ANPR
Alarm Triggers	Network disconnect
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AI VIEW

4K DOME
P400-0802N

AI Security Camera

FPS UHD 4K 60 FPS

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OPTIMIZEDIR WITH 30 M (98 FT) RANGE

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AI Features	**Face detection** • Detect face in: 5~7m • Accuracy: 96% • Latency: 0,4~0,6s/frame
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IMAGE

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Digital Noise Reduction	Qualcomm ANR
Gain Control	Low / Middle / High
White Balance	Manual / Indoor / Outdoor / Bright / Night
Video Rotation	Mirror, Flip
Bitrate Control	H.265/H.264: CBR

VIDEO

Resolution	8MP
Frame rate	60 fps
Video compression	H.264, H.265
Image stabilization	EIS
Streaming	Allow upto twenty (20) simultaneous multi-streams using H.265, H.264

LENS

Optical Zoom	2x
Focal Length	4.36 - 9.33 mm ± 5%
FOV (Horizontal, Vertical)	H: 111.96º(W) - 47.23º(T) V: 58.11º(W) - 26.53º(T) D: 136.89º(W) - 54.16º(T)
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Auto IRIS	F1.36~2.0±5%
Auto focus	Support

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Audio In	Selectable (mic in/line in) Supply 1.8V, 3mA output current, Impedance detection: 4 to 70 kΩ
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Wiper & Heater	Not support
Mirco SD Card	External, up to 256G
Power	PoE IEEE 802.3af/802.3at Max 13W, 12VDC
GPS	Support
Wi-Fi	Not support

PTZ

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PT speed	Manual pan speed 0.1~150°/S Manual tilt speed 0.1~50°/S

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Weight	2 kg
Memory	3GB RAM, 32GB Flash
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 20m (65ft) or more depending on the scene
Wiper & Heater	Not support
Mirco SD Card	External, up to 256G
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HDTV NETWORK VIDEO   open security & safety alliance   **ONVIF** | **SGT**

CAMERA

Application	Supervision Office, Mall, School, Smart Parking, Outdoor/Indoor, Wide-angle Monitoring, Traffic Monitoring...
Processor	Qualcomm QCS605 Qualcomm® Kryo™ 300 CPU, Octa-core 64-bit 2.5GHz 10nm Qualcomm® Adreno™ 615 GPU Qualcomm® Hexagon™ 685 DSP
Image Sensor	1/1.8" CMOS, Sony IMX334
Electronic Shutter Speed	Minimum / Maximum: 2~1/20,000sec Anti Banding
Automatic day/night	Support
Minimum illumination	Color: 0.005Lux, IR: 0.001Lux F1.4

AI INSIDE

AI Features	**Face detection** • Detect face in: 10m • Accuracy: 96% • Latency: 0,4~0,6s/frame
	Face recognition • Recognize face in: 6~8m • Accuracy: 99,5% • Latency: 0,3~0,5s/frame
	ANPR • Detect licence plate in: 10m • Acurracy: 99,5% • Processing speed: 0,3s/frame
	People counting • Detect body in: 15m • Accuracy: 98% • Processing speed: 0,3s~0,5s/frame
	Vehicle counting • Detect vehicle in: 15m • Accuray: 98% • Processing speed: 0,3s~0,5s/frame
Tamper detection	Support by hardware
Motion Detection	Multi polygonal zones

IMAGE

Night Vision Technology	Support
Wide Dynamic Range	120dB
Backlight Compensation	BLC, HLC, WDR
Digital Noise Reduction	Qualcomm ANR
Gain Control	Low / Middle / High
White Balance	Manual / Indoor / Outdoor / Bright / Night
Video Rotation	Mirror, Flip
Bitrate Control	H.265/H.264: CBR

VIDEO

Resolution	8MP
Frame rate	60 fps
Video compression	H.264, H.265
Image stabilization	EIS
Streaming	Allow upto twenty (20) simultaneous multi-streams using H.265, H.264

LENS

Optical Zoom	2x
Focal Length	4.36 - 9.33 mm ± 5%
FOV (Horizontal, Vertical)	H: 111.96º(W) - 47.23º(T) V: 58.11º(W) - 26.53º(T) D: 136.89º(W) - 54.16º(T)
Min. Object Distance	Wide: 1m∼∞, Tele: 2.5m∼∞
Auto IRIS	F1.36∼2.0±5%
Auto focus	Support

AUDIO

Audio In	Selectable (mic in/line in) Supply 1.8V, 3mA output current, Impedance detection: 4 to 70 kΩ
Audio Out	Lineout: - 30.8 mW (typical) with 32 Ω - 61.6 mW (typical) with 16 Ω
Audio compression	Support MP3, AAC, 16-bit PCM, 24-bit PCM, FLAC, sample rate 8/11.025/16/22.05/32/44.1/48/64/88.2/96/176.4/192 kHz

NETWORK CONNECTIVITY

Interface	RJ-45 cable connector for Network 10/100/1000 Mbps
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTSP, HTTP, HTTPS, SSI/TLS, DHCP
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox (Window 64bit only), Apple Safari (Mac OS X only)
Security	Password Protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication

GENERAL

Casing	IP66, IK10
Color / Material	Top : White / Aluminum Bottom : White / Aluminum
Operation Temperature / Humidity	-40º~+80ºC; 10-100%RH
Dimensions	142 (L) x 142 (W) x 101,6 (H) mm
Weight	2 kg
Memory	3GB RAM, 32GB Flash
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 20m (65ft) or more depending on the scene
Wiper & Heater	Not support
Mirco SD Card	External, up to 256G
Power	PoE IEEE 802.3af/802.3at Max 13W, 12VDC
GPS	Support
Wi-Fi	Not support

PTZ

Pan/Tilt/Zoom	Pan: 360° Tilt: 65°
PT speed	Manual pan speed 0.1~150°/S Manual tilt speed 0.1~50°/S

SYSTEM INTEGRATION

Application Programming Interface	ONVIF Profile S/G/T
Analytics	Directional detection, Face detection, Motion detection, Enter/Exit, Traffic, ANPR
Alarm Triggers	Network disconnect
Alarm Events	FTP, Email, Server VA, Sound Alarm output