

# Uniarch 【Datasheet】 IPC-P413-X20K 3MP 20X Network PTZ Dome Camera Datasheet-EN

## IPC-P413-X20K



## Features

- High quality image with 3 MP, 1/2.8" CMOS sensor
- 2304 × 1296@30 fps in the main stream
- 20X optical zoom allows for closer viewing of subjects
- Smart intrusion prevention, supports false alarm filtering, including cross line, intrusion, enter area, leave area detection
- automatic selection of best snapshots
- People counting, supports people flow counting and crowd density monitoring, suitable for different statistical scenarios
- Up to 120 dB optical WDR (wide dynamic range)
- Smart IR, up to 100 m (328 ft) IR distance
- DC 12 V±25%, PoE+ (IEEE 802.3at)
- MicroSD, up to 256 GB
- IP66 ingress protection

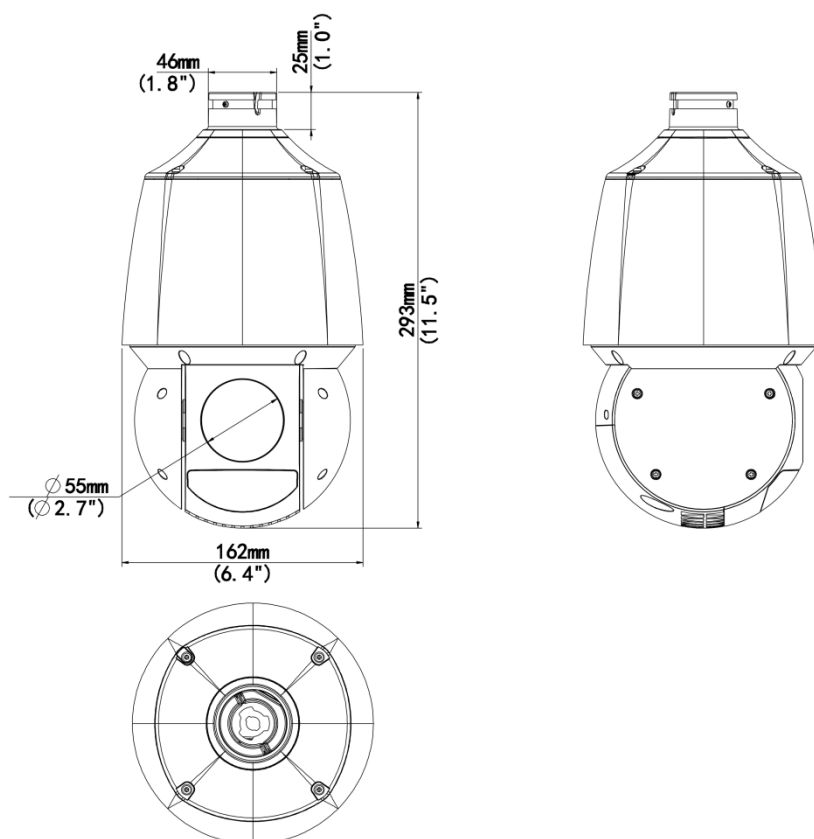
## Specifications

Model	IPC-P413-X20K
<b>Camera</b>	
Sensor	1/2.8", 3.0 megapixel, progressive scan, CMOS
Min. Illumination	Color: 0.003 Lux (F1.7, AGC ON), 0 Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 to 1/100000 s
WDR	120 dB
S/N	>52 dB
<b>Lens</b>	
Focal Length	5 to 100 mm
Optical Zoom	20X
Iris	F1.7 to F2.8
Field of View (H)	51.70° to 3.85°
Field of View (V)	30.49° to 2.16°
Field of View (D)	63.60° to 4.54°
<b>DORI</b>	
DORI Distance (Lens)	5 to 100 mm
DORI Distance (Detect)	77.6 m to 1551.7 m (254.5 ft. to 5091.0 ft.)
DORI Distance (Observe)	31.0 m to 620.7 m (101.8 ft. to 2036.4 ft.)
DORI Distance (Recognize)	155.5 m to 310.3 m (510.2 ft. to 1018.0 ft.)
DORI Distance (Identify)	7.8 m to 155.2 m (25.6 ft. to 509.2 ft.)
<b>Video</b>	
Privacy Mask	24 areas, up to 4 areas per scene
Video Compression	H.265, H.264, MJPEG
Frame Rate	Main Stream: 3 MP (2304 × 1296), max. 30 fps Sub Stream: 720P (1280 × 720), max. 30 fps Third Stream: D1 (720 × 576), max. 30 fps
Video Bit Rate	128 Kbps to 16 Mbps
ROI	Support
Video Stream	Triple streams
OSD	Up to 8 OSDs
<b>Intelligent</b>	
Auto Tracking	Support
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
People Counting	Support people flow counting and crowd density monitoring
Exception Detection	Object removed, Object Left Behind
<b>Image</b>	
White Balance	Auto, Outdoor, Fine tune, Sodium lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Flip	Normal, Flip vertical, Flip horizontal, 180°

HLC	Support
BLC	Support
Smart IR	Support
Defog	Digital defog
Events	
Basic Detection	Motion detection, Tampering alarm, Object removed, Object Left Behind
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication
Storage	
Edge Storage	MicroSD, up to 512 GB
Network Storage	ANR
Illuminator	
IR On/Off Control	Auto/Manual
Wavelength	850 nm
Illumination Distance (IR)	Up to 100m (328 ft) IR range
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, 802.1x, SNMP, QoS, RTMP, SSL/TLS, IPv6
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF
Client	APP, Uniarch client
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+
PTZ	
Number of Presets	1024
Preset Patrol	16 patrols, up to 64 presets for each patrol
Route Patrol	16 patrols, up to 32 actions for each patrol
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Patrol Stay Time	15 s to 1800 s
Preset Image Freeze	N/A
Home Position	Support
Pan Range	360° (endless)
Tilt Range	-15° to 90° (auto reverse)
Pan Speed	0.1°/s to 80°/s
Tilt Speed	0.1°/s to 80°/s
Interface	
Audio I/O	N/A
Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	N/A
Built-in Speaker	N/A

WIFI	N/A
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Video Output	N/A
General	
Power	DC 12 V (±25%), PoE+ (IEEE 802.3at)
Power Consumption	Max. 20 W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	Ø162 mm × 293 mm (Ø 6.4" × 11.5") (Ø × H)
Weight	1.79 kg (3.95 lb.)
Working Environment	-40 °C to 65 °C (-40 °F to 149 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-40 °C to 70 °C (-40 °F to 158 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	6 KV
Reset Button	Support
Heater	Support
Configurable	
P/N	Support

## Dimensions



## Accessories

### TR-UF45-A-IN

Dome Indoor Ceiling Mounting Pedestal



### TR-SE45-A-IN

Dome Ceiling Mounting Pole 500



### TR-SE45-IN

Dome Ceiling Mounting Pole 200



### TR-CE45-IN

Dome Indoor Ceiling Mounting Bracket



### TR-WE45-IN

Dome Wall Mounting Bracket



### TR-WE45-A-IN

Long Wall Mounting Bracket for Dome



### TR-WE45-B-IN

Dome Gooseneck Bracket



### TR-JB12-IN

Dome Junction Box



### TR-UP08-A-IN

Dome Pole Mounting Bracket



### TR-UP08-B-IN

Aluminium Alloy Pole Mounting Bracket



### TR-UC08-A-IN

Dome Corner Mounting Bracket



### TR-UC08-B-IN

Aluminium Alloy Corner Mounting Bracket



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