

# HL-PQ2020X

1080P Hybrid Analogue PTZ



## Key Features

- 2MP, 1920(H) x1080(V)
- 1/2.9" Progressive Scan CMOS
- 4.7~94mm
- 20X Optical Zoom
- IR range up to 150m
- Supports AHD/TVI/CVI/CVBS Output
- IP66

## SPECIFICATIONS

### CAMERA

Image Sensor	1/2.9" Progressive Scan CMOS
Effective Pixels	1920(H) x 1080(V)
Scanning System	Progressive
Shutter Speed	PAL:1/50-1/50000s, NTSC:1/60-1/60000s
Min. illumination	Color:0.01Lux@(F1.2,AGC ON) ; B/W:0Lux@(IR LED ON)
S/N Ratio	More than 52dB
IR LEDs	12pcs
IR Range	Up to 150m
IR cut filter	Yes

### LENS

Optical Zoom	20x
Zoom Speed	Approx. 4.2s (Optical Wide-Tele)
Focal Length	4.7 ~ 94mm
F Number (Max Aperture)	F1.6 (Wide) ~ F3.5 (Tele)
Angle of View	H: 58.7° ~ 3.2°
Focus Control	Auto / Semi-automatic / Manual

### PTZ

Manual speed	Pan (0.1°~200°/s) Tilt (0.1°~180°/s)
Rotation	Pan: 360°continuously Tilt: 0~90° with auto-flip
Preset	128
Speed Proportion	As the length of focus, to auto-adjust the speed
Scan	4
Pattern	4
Tour	4
Idle run	Tour / Preset / Pattern / Scan can be set
Power up run	Tour / Preset / Pattern / Scan can be set

### VIDEO

Max. Resolution	1080P (1920×1080)
Frame Rate	PAL:25fps, NTSC:30fps
Video output termination	1-channel BNC
OSD Joystick	N/A
OSD Menu	Support
Day/Night	Ext / AUTO / Color / MONO
Image Enhancement	dWDR, HLC, BLC, OFF/ON
White Balance	Auto
Gain Control	Auto
Noise Reduction	DNR Auto / Off / Low / Middle / High
Defog	N/A

Motion Detection	N/A
Privacy Masking	Yes Supported (Max. 4 Areas)

### AUDIO

Audio interface	No
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### ELECTRICAL

Power Supply	DC24V / 1.5A
Power Consumption	9W (IR OFF), 30W (IR ON)

### GENERAL

Communication	Up to coax
RS485	Yes
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Casing	Metal
Dimensions	Φ 226x.336.5mm
Net Weight	5Kg

### CERTIFICATIONS

Certifications	CE/FCC
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## DIMENSIONS

