

# 60 SERIES HC60WZ2E30

2MP Network TDN WDR 30X Outdoor Speed Dome Camera



## OPERATIONAL

Video Standard	NTSC / PAL
Scanning System	Progressive
Image Sensor (Size: H x V)	1/2.8" CMOS (5.57 x 3.13 mm)
Number Of Pixels (H x V)	2 MP (1920 x 1080)
Min. illumination (Color/B&W)	Color: 0.1 Lux @F1.6, B/W: 0.005Lux @F1.6
S/N Ratio	55 dB
Electronic Shutter Speed	1/10000 ~ 1/1
IR Light Control	External IR trigger by output
Day/Night	Auto / Day / Night / Synchronize with digital input / Schedule
Backlight Compensation	WDR, BLC, HLC
White Balance	Auto / Fixed Current / Manual
Wide Dynamic Range	>120 dB
Noise Reduction	3D DNR
Lens	30x Optical Zoom, Auto Focus, 4.3 mm ~ 129 mm, DC-IRIS, F 1.6 ~ F 4.7
Electronic Image Stabilization	Support
Angle Of View	H: 64° ~ 2°, V: 36° ~ 1°
G-Sensor	Support Camera Direction OSD Display (Default - Off)
Privacy Masking	Off / On (24 Areas)
Defog	Support
Encryption Chipset	Built-in FIPS encryption Chipset
Local Storage	Micro SD / SDHC / SDXC card slot (up to 256 GB), SD Card encryption
Micro USB	Support Wifi Dongle for configuration
Alarm Inputs / Outputs	4 In / 2 Out

## PTZ

Pan Speed	0.05° ~ 450° / sec.
Pan Range	360° endless
Tilt Speed	0.05° ~ 450° / sec.
Tilt Range	220° (-110° ~ + 110°)
Preset Locations	256 preset locations, 128 presets per patrol
Preset Accuracy	0.1°
Auto Pan Scan	Support
Auto Tracking	Support
Auto Resume After Power Failure	Resume to home position

## VIDEO

Video Compression	H.265 HEVC / H.264 / MJPEG, Smart Codec
Resolution (16/9)	1920 x 1080 / 1280 x 720 / 640 x 360
Number of Video Streams	3
Frame Rate Main Stream	1920 x 1080 / 1280 x 720 / 640 x 360 (1-50 / 60 fps)
Frame Rate Second Stream	1280 x 720 / 640 x 360 (1-50 / 60 fps)
Frame Rate Third Stream	640 x 360 (1-50 / 60 fps)
Bit Rate (Control)	20 K ~ 80 MBPS

## AUDIO

Audio Compression	G.711a / G.711 Mu / G.726
Audio Stream	Full duplex
Audio Interface	Line In / Out

## NETWORK

Ethernet	10 Base-T / 100 Base-TX Ethernet (RJ-45)
Supported Web Browsers	Chrome 79.0 Internet Explorer 11
Supported OS	Microsoft Windows 10
Protocols*	IPv4, IPv6, TCP / IP, HTTP, HTTPS, UPnP, RTSP / RTP / RTCP, IGMP / Multicast, CIFS / SMB, SMTp, DHCP, NTP, DNS, DDNS, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
Interoperability	ONVIF Profile G / S
Maximum Users Access	10 Users
Security	User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 only, Stream encryption, AES128 / 256, SSH / Telnet closed, PCIDSS compliance, FIPS Chipset Built-In
Languages Supported	English, French, German, Italian, Japanese, Portuguese, Russian, Spanish, Traditional Chinese

## ELECTRICAL

Power Supply	24 VDC / 24 VAC (50 / 60 Hz), 60 W, UPOE
Power Consumption	MAX 48 W / 26 W (Heater on / off)

## MECHANICAL

Dimensions (Ø x H)	Ø 222.8 mm x 221.3 mm (Ø 8.8" x 8.7")
Dome diameter	162.0mm (6.4")
Product Weight	3.072 kg (6.77 lb)
Package Weight	4.19 kg (9.24 lb)
Body Material	Metal (die casting aluminum with powder coating)
Construction Color	RAL 120-1 (Lyric White)

## ENVIRONMENTAL

Operating Temperature	Starting and Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
Relative Humidity	Less than 90 %, non-condensing
Ingress Protection	IP66/IP68/NEMA 4X
Impact Resistance	IK10
Heater	Turn on under -5°C; Turn off over 0°C

## REGULATORY

Emissions	FCC PART 15, CE (EN 55032)
Immunity	CE (EN 50130-4)
Safety	UL LISTED TO UL / CSA 62368-1, CE (EN 62368-1), UL / CSA 60950-22, CE (EN 60950-22)
RoHS	CE (EN 50581), EAC (TR EAEU 037 / 2016), UAE (Cabinet Decree No.10 of 2017)
Country of Origin	Taiwan

**Honeywell**

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## SYSTEM COMPATIBILITY

Pro-Watch NVR	Up to 256 IP channels RAID5 / 6 Enterprise NVR
MAXPRO NVR PE	Up to 128 IP channels RAID5 / 6 Enterprise NVR
MAXPRO NVR SE	Up to 64 IP channels System NVR
MAXPRO NVR XE	Up to 16 IP channels System NVR
MAXPRO NVR SOFTWARE	Up to 128 IP channels Recording Software
ADPRO NVR FastTrace 2E	Up to 32 IP channels with up to 32 VA channels NVRs
ADPRO NVR iFT-E	Up to 32 IP channels with up to 32 VA channels NVRs
ADPRO NVR iFT	Up to 32 IP channels or 16 IP channels with up to 16 VA channels NVRs
ADPRO NVR iFT Gateway	4 IP channels + 4 VA channels
HEN*4	8 / 16 / 32 / 64-channel Performance Series NVRs (H.264 and H.265)
Honeywell DVM	Supported with Honeywell DVM R700 , DVM R620

## OPTIONAL MOUNTS AND ACCESSORIES

HA60PCMZ	Pendant Mount Bracket, 1.5 NPT (included in the package)
HA60WLMZ	PTZ Wall Mount Bracket, 1.5 NPT, white
HA60PLMZ	PTZ Pole Mount Bracket, white
HA60CNMZ	PTZ Corner Mount Bracket, white
HA60ICMZ	PTZ In-Ceiling Mount Bracket, white
HA60CB6	Replacement 6 inch Clear Bubble
HA60SB6	Replacement 6 inch Smoked Bubble
HA60WIF	Wifi dongle and USB adapter for camera configuration
HA60POEZ	UPOE Injector

## ORDERING

HC60WZ2E30	2 MP Network PTZ Outdoor Dome, WDR>120 dB, 1/2.8" CMOS, 30X Optical Zoom, TDN, H.265 HEVC Smart Codec, UPoE, 24 VAC / DC, IP68 / IK10 / NEMA4X, White
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## DIMENSIONS

With HA60PCMZ Pendant Mount Bracket

