hi-view®
High Resolution High Technology

IP CAMERA
HP-97B20E2V

HD IP CAMERA SERIES
CCTV SURVEILLANCE Waterproof Bullet Camera

IR | HD Pixel | IP66 i CAMERA | ICR Built-in | LED 36pcs

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HP-97B20E2V

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Feature

- 1/2.7" Aptina progressive scan CMOS sensor
- 1920x1080P (2.0MP)
- Min. Illumination Color 0.05 lux@F1.2, AGC ON
  0 Lux@F1.2, AGC ON
- Focal Length 2.8-12mm./F1.4 / Fixed iris
- LED IR LED 36 PCs. / 20-30M.
- RJ45 x1 with POE / MIC IN x1
- BNC x1 (CVBS video output) / Jack x1 (DC12V)
- Ingress Protection IP66 / IK10
- 12V DC. / PoE (IEEE802.3af)

Specification

Model	HP-97B20E2V
Image Sensor	1/2.7" Aptina progressive scan CMOS sensor
Pixels	1920x1080P (2.0MP)
Min. Illumination	Color 0.05 lux@F1.2, AGC ON
	0 Lux@F1.2, AGC ON
Shutter Speed	1/25s ~ 1/100,000s
Exposure Mode	Auto, Manual (1,1/2,1/5,1/10,1/15,1/25,1/50,1/60,
	1/100,1/250,1/500,1/1000,1/2000,1/10000,1/100,000)
Wide Dynamic Range	120dB.
Gain Control	Auto / Manual
Lens	
Focal Length	2.8-12mm./F1.4
Focus Mode	Manual
Horizontal Field of Angle	34.6°~80.3°
Mount Type	M14
Iris	DC Auto Iris Control
Digital Zoom	Supported
Infrared	
LED IR	LED 36 PCs.
IR Distance	20-30M.
IR Smart	Supported
Infrared Mode	Auto, On, Off
Day / Night	ICR (Auto)
Day Night Mode	Auto, Day, Night, Schedule
Day / Night Sensitivity	Low, Middle, High
Video/Audio	
Video Compression	H.265, H.264, MJPEG
Compression Standard	High profile, Main profile, Bse line
Audio Compression	G.711A/G.711U
Compression Standard	Five levels under VBR; Freely adjustable under CBR
Bitrate Control	VBR / CBR
Stream	Triple-Stream
Image Resolution	Main stream:1920x1080, 1280x720
	Sub stream: 704x576, 352x288
	Third stream: 704x576, 480x240, 352x288
Frame Rate	Main stream: 1080@25fps, 720P@30fps
	Sub stream: 704x576@25fps, 352x288@25fps
	Third stream: 704x576@25fps, 480x240@25fps, 352x288@25fps
Bitrate	128kbps ~6144Kbps
Video Encode Slice Split	Supported
Watermask	Supported
Caption / Snap	Supported
ROI	Supported Max. 9 Area. Level adjustable
Image color adjustment	"Brightness, Contrast, Hue, Saturation, Sharpness"
Backlight Compensation	BLC / HLC / HWDR
Anti Flicker	Supported
White Balance (ATW)	Support (Auto, Manual, Indoor, Outdoor)

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Specification

Model	HP-97B20E2V
Video Format	50Hz/60Hz.
Image Flip	Supported
Coridor Mode	0, 90, 180, 270
Image mirror	Supported
E-Zoom	Supported
Privacy Masking	Up to 4 zones
Camera OSD Setting	Supported
Network	
Network Protocols	TCP/IPv4,TCP/IPv6,PPPoE,HTTP,RTSP,DDNS,DNS,SNMP,SMTP,UPnP,FTP,DST,NTP
User Interface	IE browsing,CMS remote control, APP (superlive plus)
Max. User Access	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Account Management	Supported
Network Upgrade	Supported
Onvif	Supported
Black and Allow List	Supported
Mac Filter	Supported
Import Export Config	Supported
LOG	Supported
Alarm	
Motion Alarm	Supported (area and sensitivity)
Alarm Schedule	Supported
Exception	Scene change, Video blur detection, Video cast detection,
Smart Intelligent Alarm	Line crossing (area&Schedule), Intrusion (max.4 area)
Others Alarm	IP change notification, Online user
Alarm Triggers	Email, FTP
Interfaces	
Ethernet	RJ45 x1 with POE
Audio Input	MIC IN x1
CVBS Output	BNC x1 (CVBS video output)
Power input	Jack x1 (DC12V)
Environmental	
Operating Temperature	-20℃~50℃
Operating Humidity	10 % ~ 90 % humidity
Ingress Protection	IP66 / IK10
Electrical	
Power	12V DC. / PoE (IEEE802.3af)
IR Consumption OFF	<2W
IR Consumption ON	<5W
Surge Protection	6KV
Mechanical	
Casing Material	Metal
Weight	624g.
Dimensions	ϕ 87x219mm
Installation	Wall mounting, Pendent mounting

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