

HST-31D200-D120N

2.0MP Starlight HD 20x Speed Dome Camera

Features

Excellent Image Quality

2.0 Megapixel 1/2.8" progressive scan CMOS sensor

High definition and smooth picture, 1920 x 1080@30fps

H.265 video codec, saves up to 50% bandwidth and storage

Ultra low illumination, 0.006lux with color picture

IR automatically adjusts

WDR / 3D noise reduction / HLC / BLC

Intelligent Functions

Motion detection / Tampering / Guard line / Enter guard area / Exit guard area

Long Operation Lifespan

Industrial components, withstands operation temperatures of -40°C ~70°C

IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale

20x optical zoom

IR distance up to 180m

Abundant Functions and Features

Micro SD card optional, supports Automatic Network Replenishment (ANR)

Up to 3 Multi-stream

Bi-directional audio / alarm in and out

Built-in O-sensor

PoE (-D120-N)



HST-31D200-D120N	
Camera	
Image Sensor	1/2.8" progressive scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.006lux @ (F2.8, AGC ON)
	B/W: 0.0005lux @ (F2.8, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000s
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	>57dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	5.2 ~ 100.4mm, 20x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	61°~ 3.64° (Wide~Tele)
Min. Object Distance	1000 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F2.8
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	6 pcs IR LED Array
IR Distance	120 ~ 180m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -15° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1°~160°/s; Pan preset speed:160°/s
	Tilt manual speed: 0.1°~120°/s ; Tilt preset speed: 120°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Electronic compass	Built-in O-sensor
Video	
Compression	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p
	Secondary stream: 720p
Frame Rate	Main stream: 1080p@30fps
	Secondary stream: 720p@30fps
Bitrate	32~16384Kbps
Bitrate Control	VBR / CBR
Multi-stream	Supported
Caption	Date and time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones

Video Freeze	Supported	
ROI	Supported	
Digital Noise Reduction	3D noise reduction	
Electronic Defog	Supported	
Image Flip	Flip / Mirror	
Audio		
Compression	G.711a / G.711u / ADPCM / G.722 / AAC-LC / G.722.1c / G.726	
Bitrate	32kbps ~ 64kbps	
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute	
Network		
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)	
User Interface	IPC Control (IE, Firefox, Chrome)	
Max. User Access	Max. 10 Users (includes 2 internal)	
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI	
Automatic Network Replenishment (ANR)	Supported	
Alarm		
Alarm Triggers	Alarm input / Network disconnect / Disk full / Disk error	
Intelligent	Motion detection / Tampering / Guard line / Enter guard area / Exit guard area	
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm	
Interfaces		
Ethernet	10/100M, RJ45 interface	
Audio In / Out	1 x Line in / 1 x Line out	
Alarm In / Out	2 x Input / 1 x Output	
Memory Slot	Built-in SD card (optional), supports up to 128GB	
Environmental		
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F	
Operating Humidity	10% ~ 95%	
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection	
Electrical		
Power	24V AC / 3A (Power adapter included)	24V AC / 3A (Power adapter not included) / Hi-PoE (PSE module included)
Power Consumption	Max. 35W (IR on)	
Mechanical		
Weight	6.6 kg / 14.55lb (Gross Weight)	
Dimensions	Φ222.7 × 339.5mm / Φ8.77" × 13.35"	