



NMX-22031B1/22031C1

Full HD 12X Built-in VCA Vandalproof Minitrax Network Camera

Key Features

- Full HD(1920x1080) Resolution with Compact Design
- Optical Zoom 12X, Digital Zoom 12X
- True Day & Night, Digital WDR
- Max. 380°/sec Speed(Preset)
- Preset(256), Tour(8), Pattern(8), Privacy(12), Motion(16)
- Alarm Input(4), Alarm Output(1), Audio Input(4), Audio Output(1)
- VCA(DIS, Defog, Face Detection, Tampering, Line Detector, Field Detector, Absent, Auto Tracking)
- SD Card Up to 32GB
- PoE, 12VDC, 24VAC
- IP66

Technical Specifications

Model	NMX-22031B1	NMX-22031B1H
Advanced VCA Model	NMX-22031C1	NMX-22031C1H
IMAGE		
Lens	Optical Zoom 12X, 4.8~57.6mm, F2.2~F2.3	
Angle of View	64.2~5.9°(H)	
Image Sensor	Type	1/2.8" SONY Exmor CMOS Sensor
	Pixels	1,952(H)x1,236(V)
Min. Illumination	Color : 0.5 Lux, BW : 0.1 Lux, F2.2 50IRE	
Scanning Mode	Progressive Scan	
Wide Dynamic Range	Digital WDR(ATR-EX)	
Day and Night Mode	True Day & Night(Auto, Day, Night)	
Noise Reduction	2DNR	
Digital Zoom	12X	
Exposure Control	Auto, Manual, Shutter Priority, Iris Priority	
White Balance Control	Auto, Fluorescent, Sodium Lamp, Incandescent, Outdoor, Manual	
Back Light Compensation	Yes	
Image Effect	Flip	
Flicker Free Mode	50Hz, 60Hz	
Shutter Speed	Auto(1/10,000~1/5 sec.), Manual	
VIDEO/AUDIO		
Compression	H.264(Baseline, Main, High Profile), MJPEG	
Bitrate Control	CVBR, VBR	
Resolution	1920x1080, 1280x1024, 1280x720/960, 704x480/576, 640x360/480, 320x240	
Frame Rate	Max. 50/60fps	
Streaming	Max. 50/60fps(Dual Stream : H.264x1, MJPEGx1), 25/30fps(Triple Stream : H.264x2, MJPEGx1), Advanced VCA Only 25/30fps	
Audio Compression	G.711	
Audio Streaming	2 Way	
PTZ FUNCTION		
Pan Range	360° Endless	
Pan Speed	Max. 380°/sec.(Preset)	
Tilt Range	0~180°	
Tilt Speed	Max. 380°/sec.(Preset)	
Auto Calibration	0.1~6°	
Preset	256	
Tour	8	
Pattern	8	
Home Function	Yes	
SYSTEM		
Video Contents Analysis	DIS, Defog, Face Detection, Tampering, Line Detector, Field Detector(Built in VCA) DIS, Defog, Face Detection, Tampering, Line Detector, Field Detector, Absent, Auto Tracking(Advanced VCA Control Board)	
Motion Detection Area	16 Programmable Area(Include Area 8, Exclude Area 8)	
Privacy Mask Zone	12 Programmable Zone	
FTP Uploading	MJPEG	
Event Notification	E-mail, FTP, Notification Server, XML Notification, Audio Alert, AIHM	
Audio Alert	User-Defined 3 Audio Files	
Login Authority	Administrator, Operator, Guest	
Event Buffering	FTP	Pre : 30sec, Post : 30sec
	SD Record	Pre : 10sec, Post : 60sec
Manual Trigger	4 Programmable Trigger	
Security	Multi User Authority, IP Filtering, HTTPS, SSL	
Network Time Sync	NTP Server, Synchronized Computer, Manual	
Software Reset	Restart, Reset, Factory Default	
Hardware Factory Reset	Yes	
Auto Recovery	Backup, Restore	
Remote Upgrade	Web Browsing(IE, Chrome, Safari, Firefox), SmartManager, NC-Titanium	
SD Recording Mode	Event, Continuous	
NETWORK		
Protocol	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, QoS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf, Bonjour	
Client Software	Web, SmartManager, NC-Titanium, Tive HD	
Max. User Connection	Live : 10 Users, Playback : 3 Users	
API Support	Open API, Onvif Compliance	
Mobile Support	Tive HD(Android, iOS)	
EXTERNAL IN/OUT		
Audio	1 Input, 1 Output(3.5mm Stereo Jack)	
Alarm	4 Input, 1 Output(Terminal Block)	
Ethernet	RJ-45(10/100Base-T)	
u-SD Card	SDHC(Max. 32GB)	
ETC		
Operating Humidity	0~90% RH(Non-Condensing)	
Operating Temperature	-10~+50 °C -40~+50 °C	
Power Supply	PoE(IEEE802.3 af Compliance, Class0), 12VDC, 24VAC	
Power Consumption	250mA(12.0W)@PoE 1,000mA(12.0W)@12VDC, 24VAC	1,500mA(22.0W)@24VAC
Dimension	154(Ø)x150(H)mm	
Net Weight	1.6kg	
Ingress Protection	IP66	

Key Functions

- Auto Exposure, Auto White Balance
- Triple Stream(H.264, MPEG4, MJPEG)
- Onvif Profile S
- Easy Install : Zero Configuration, Discovery, PoE
- Event Boosting, FTP Image Upload, Web Casting, Open VPN, QoS, IP Filtering
- Cross Web Browsing(IE, Safari, Firefox, Chrome)
- Privacy Masking
- AIHM Event
- Event Buffering

Series Model

- NMX-22031B1H(-40~+50 °C, Heater)
- NMX-22031C1H(-40~+50 °C, Heater, Advanced VCA)

Software

- SmartManager
- NC-Titanium
- Tive HD
- Titanium Plus VMS

Optional Accessory

- HDB243(Wall Bracket)
- HVPCB2(Ceiling Bracket)
- HVPWB2(Wall Bracket)
- HCS300(Flush Mount)

Dimension

