



# NFX-22053B1/22053C1

Full HD 30X Built-in VCA, Smart IR Fastrax Network Camera

## Key Features

- Full HD(1920x1080) Resolution with Compact Design
- Optical Zoom 30X, 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	NFX-22053B1	NFX-22153B1	NFX-22253B1	NFX-22253B1H
Advanced VCA Model	NFX-22053C1	NFX-22153C1	NFX-22253C1	NFX-22253C1H
<b>IMAGE</b>				
Model	NFX-22053B1			
Advanced VCA Model	NFX-22053C1			
Lens	Optical Zoom 30X, 4.3~129.0mm, F1.6~F5.0			
Angle of View	65.1~2.23°(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, F1.6 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			
IR Illuminator	Quantity	Synchronized IR LED, Fixed IR LED		
	Angle	7~40°		
	Distance	Up to 150M		
<b>VIDEO/AUDIO</b>				
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			
<b>PTZ FUNCTION</b>				
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			
<b>SYSTEM</b>				
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			
Audio Alert	Administrator, Operator, Guest			
Login Authority	MJPEG			
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			
Hardware Factory Reset	Yes			
Auto Recovery	Backup, Restore			
Remote Upgrade	Web Browsing(IE, Chrome, Safari, Firefox), SmartManager, NC-Titanium			
SD Recording Mode	Event, Continuous			
<b>NETWORK</b>				
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)			
<b>EXTERNAL IN/OUT</b>				
Audio	1 Input, 1 Output(RCA Mono Jack)			
Alarm	4 Input, 1 Output(Terminal Block)			
Ethernet	RJ-45(10/100Base-T)			
u-SD Card	SDHC(Max. 32GB)			
<b>ETC</b>				
Operating Humidity	0~90% RH(Non-Condensing)			
Operating Temperature	-30~+50 °C	-30~+50 °C	-30~+50 °C	-40~+50 °C with Heater
Power Supply	12VDC	PoE(Injector), 12VDC	12VDC, 24VAC	24VAC
Power Consumption	2,300mA(28.0W) @12VDC	500mA(28W)@PoE, 2,300mA(28W)@12VDC	2,300mA(28W)@12VDC, 2,000mA(28W)@24VAC	2,600mA(38W) @24VAC
Dimension	201.8(Ø)x370.9(H)mm			
Net Weight	4.9kg			
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

## Software

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

## Optional Accessory

- HDB241(Housing Ceiling Bracket)
- HDB242(Housing Wall Bracket)
- HPB24, HPB120, HPB230(Power Box)

## Dimension

