

# WiFi Security Camera System

NVR402-6T-DW-K



## Overview

4+1 NVR Kit, The network camera provide a high-quality image with 2MP, 1/2.9"CMOS sensor with a 2.8mm fixed lens, The network video recorder (NVR) can record videos from up to 4 cameras and support up to 6TB for each HDD. Ideal for SMEs, small supermarkets, villas and factories.

## Benefits

- Support IP Cameras with WiFi in Access
- Support Ultra 265/H.265/H.264 Video Formats
- Support 1-ch HDMI, 1-ch VGA
- Smart IR, Up to 30m (98ft) IR Distance
- IK10 Vandal Resistant, IP67 Protection
- Basic Detection Human Body Detection, Motion Detection

# Technical Specification

## Network Video Recorder

### Network Video Recorder

Video / Audio Input	
IP Video Input	4-ch
Video / Audio Output	
HDMI Output	1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz
VGA Output	1920x1080p /60Hz, 1920x1080p /50Hz, 1600x1200 /60Hz, 1280x1024 /60Hz, 1280x720 /60Hz, 1024x768 /60Hz
Recording Resolution	1080P/960P/720P/D1/2CIF/CIF
Audio Output	1-ch, RCA
Audio Compression	G.711A, G.711U
Live View Display	1/4
Synchronous Playback	4-ch
Corridor Mode Screen	3/4
Network	
Incoming Bandwidth	40Mbps
Outgoing Bandwidth	40Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS
Decoding	
Decoding Format	Ultra 265/H.265/H.264
Capability	4 x 1080P@30
Live View/Playback	1080p/960p/720p/D1/2CIF/CIF
Hard Disk	
SATA Interface	1 SATA interface
Capacity	Up to 6TB for each HDD
General Alarm	
General Alarm	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline , Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal
External Interface	
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet Interface

# Technical Specification

## Network Video Recorder

### Network Video Recorder

External Interface	
<b>USB Interface</b>	Rear panel: 2 x USB2.0
<b>RS232</b>	NA
<b>RS485</b>	NA
<b>Alarm In</b>	NA
<b>Alarm Out</b>	NA
Wi-Fi	
<b>Frequency</b>	2.4GHz
<b>Transmission Rate</b>	150Mbps
<b>Wireless Standards</b>	IEEE 802.11b/g/n
General	
<b>Power Supply</b>	12V DC Power Consumption: ≤ 9 W( without HDD )
<b>Working Environment</b>	-10°C ~ + 55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)
<b>Dimensions (Hx Wx D)</b>	205mm × 205mm × 47mm (8.1" × 8.1" × 1.9")
<b>Weight ( without HDD )</b>	≤0.58Kg(1.28lb)
<b>Warranty</b>	2 Years
Certification	
<b>Certification</b>	UL CE FCC RoHS WEEE

## Technical Specification

### Network Cameras

#### Network Cameras

Camera					
<b>Sensor</b>	1/2.9", progressive scan , 2.0 megapixel, CMOS				
<b>Min. Illumination</b>	Colour: 0.01Lux (F2.0, AGC ON) 0 Lux with IR				
<b>Day/Night</b>	IR-cut filter with auto switch (ICR)				
<b>Shutter</b>	Auto/Manual, 1~1/100000 s				
<b>Adjustment angle</b>	Pan: 0°~352°, Tilt: 0°~70°, Rotate: 0°~350°				
<b>S/N</b>	>52dB				
<b>WDR</b>	DWDR				
Lens					
<b>Lens Type</b>	2.8mm @2.0, Fixed-focal				
<b>Lens Mount</b>	M12				
<b>Angle of view(H)</b>	101.1°				
<b>Angle of View (V)</b>	55.0°				
<b>Angle of View (O)</b>	111.0°				
DORI					
<b>DORI Distance</b>	Lens	Detect(m)	Observe(m)	Recognize(m)	Identify(m)
	2.8mm	45.0	18.0	9.0	4.5
Illuminator					
<b>IR Range</b>	Up to 30m (98 ft) IR range				
<b>Wavelength</b>	850nm				
<b>IR On/Off Control</b>	Auto/Manual				
Video					
<b>Video Compression</b>	Ultra 265, H.265, H.264, MJPEG				
<b>H.264 code profile</b>	Baseline profile, Main profile, High profile				
<b>Frame Rate</b>	Main Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;				
<b>Video Bit Rate</b>	128 Kbps~6 Mbps				
<b>OSD</b>	Up to 4 OSDs				
<b>Privacy Mask</b>	Up to 4 areas				
<b>ROI</b>	Up to 8 areas				
<b>Motion Detection</b>	Up to 4 areas				
Image					
<b>White Balance</b>	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2				
<b>Image Setting</b>	Image rotation, brightness, saturation, contrast, sharpness, gain adjustable by web browser				
<b>Digital noise reduction</b>	2D/3D DNR				

## Technical Specification

### Network Cameras

#### Network Camera

Image	
Smart IR	Supported
Flip	Normal/Vertical/Horizontal/180°
Dewarping	N/A
HLC	Supported
BLC	Supported
Defog	Digital Defog
Events	
Basic Detection	Human body detection, Motion detection, tampering alarm, audio detection
General Function	Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication
Audio	
Audio Compression	G.711
Suppression	Supported
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 128GB
Network Storage	ANR,NAS(NFS)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, SNMP
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API , SDK
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	Guard viewer(app) Guard Station (PC )
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below  Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+
Wi-Fi	
Wireless Standards	IEEE802.11b/g/n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	20 MHz Support
Modulation Mode	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM/HT

## Technical Specification

### Network Cameras

#### Network Cameras

Wi-Fi	
<b>Security</b>	64/128-bit WEP, WPA-PSK/WPA2-PSK
<b>Transmit Power</b>	802.11b: 17±1.5dBm @11Mbps 802.11g: 14±1.5dBm @54Mbps 802.11n: 12.5±1.5dBm @150Mbps
<b>Receive Sensitivity</b>	802.11b: -90dBm @11Mbps (Typical) 802.11g: -75dBm @54Mbps (Typical) 802.11n: -74dBm @150Mbps(Typical)
<b>Transmission Rate</b>	802.11b: 11Mbps 802.11g: 54Mbps 802.11n: up to 150Mbps
Interface	
<b>Network</b>	1 * RJ45 10M/100M Base-TX Ethernet
<b>Built-in Mic</b>	Supported
Certification	
<b>EMC</b>	FCC: FCC Part 15
<b>Safety</b>	CE: EN 60950-1 UL: UL60950-1 IEC 60950-1
General	
<b>Power</b>	DC 12V±25% Power consumption: Max 4.0W
<b>Power Interface</b>	Ø 5.5mm coaxial power plug
<b>Dimensions (Ø x H)</b>	Ø109 x 83 mm (Ø4.29" x 3.3")
<b>Weight</b>	0.32 kg (0.71 lb)
<b>Material</b>	Metal + Plastic
<b>Working Environment</b>	-30°C ~ +60°C (-22°F ~ 140°F), Humidity:≤95% RH(non-condensing)
<b>Storage Environment</b>	-30°C ~ +60°C (-22°F ~ 140°F), Humidity:≤95% RH(non-condensing)
<b>Surge Protection</b>	4KV
<b>Reset Button</b>	Supported
<b>Ingress Protection</b>	Ingression protection: IP67 Vandal resistant: IK10

## Ordering Information

ID	Description
#156590	NVR402-6T-DW-K, 2MP WiFi Security Camera System, 4PCS 2MP Dome IP Security Camera for Indoor/Outdoor, IP67/IK10, with Human Body Detect, Up to 6TB for each HDD, 1080P 4CH, H.265 NVR Kit