

# F-NVR100

## 5G/4G Industrial IoT Network Video Recorder



### PRODUCT FEATURES

- ◆ Support 8 channels H.265/H264 Video Input
- ◆ HDMI video output up to 4K (3840 x 2160) resolution
- ◆ 8 x PoE Ports, support 802.3AF, 802.3AT
- ◆ Support IPC event trigger & Image Capture
- ◆ Support third-party ONVIF Profile T cameras
- ◆ 1 SATA Interface, storage capacity is up to 6TB



#### Cloud Platform

Cloud-based IoT video surveillance solution allows users to set up a private video cloud platform, combine Data + Video monitoring All-in-one.

#### Plug and Play

With Four-Faith IP Cameras, no need for extra setup and configuration. Just plug in and power on, it will automatically set up and start to record.

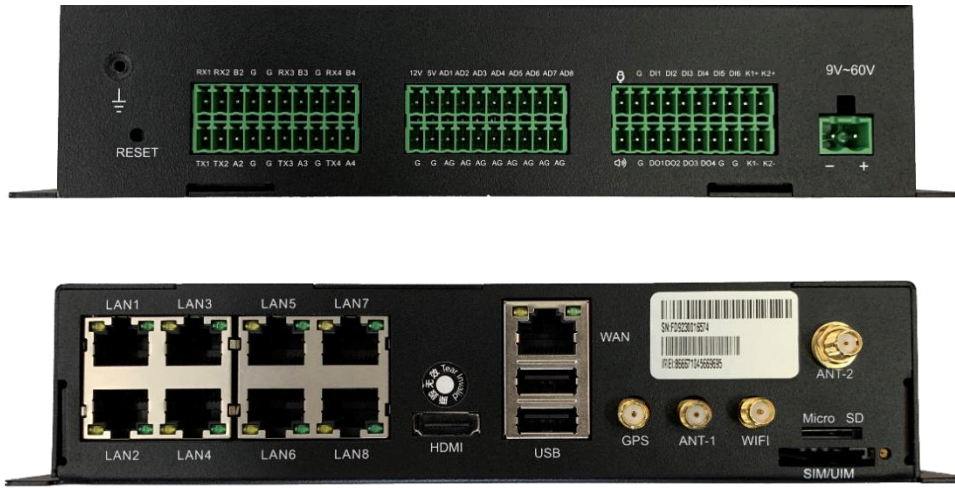
#### High-speed Cellular Network

Users can choose to install 4G or 5G high-speed cellular modules, using the wireless cellular network to transmit videos in real-time in any place.

### SPECIFICATION

<b>Model</b>	F-NVR100
<b>Hardware</b>	
<b>CPU</b>	ARM Cortex A7 Dual-core 1.3GHz
<b>FLASH</b>	64MB
<b>DDR3</b>	512MB
<b>Video</b>	
<b>Input</b>	8 channels HD IP Video Input
<b>Output</b>	1 x HDMI, Resolution(@30fps): 3840x2160, 1920x1080, 1280x720, 1024x768
<b>Decoding Format</b>	H.265 / H.264

<b>Model</b>	F-NVR100
<b>Video</b>	
<b>Video Input Protocol</b>	ONVIF (3.0), PELCO, RTSP, etc.
<b>Capability</b>	4x1080p@30fps
<b>Recording Resolution</b>	12MP/8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/2CIF/CIF/QCIF
<b>Audio</b>	
<b>Input</b>	8 channels from IPC
<b>Audio Compression</b>	G711-Alaw、G711-Ulaw、AAC-LC
<b>Sample Rate</b>	8KHz, 16KHz
<b>Voice Talkback</b>	1 channel RCA Input, 1 channel RCA Output ADPCM Format
<b>Storage</b>	
<b>Hard Disk</b>	1 x 2.5-Inch, SATA HDD/SSD Interface 1 x MicroSD Slot
<b>Capability</b>	Up to 6TB each HDD (Optional) , MicroSD up to 128GB
<b>Interface</b>	
<b>WAN</b>	1 x 10M/100M/1000M RJ45 Ethernet Port
<b>LAN</b>	8 x 10M/100M/1000M RJ45 Ethernet Port, support PoE 802.3af/at
<b>Serial Port</b>	1 x RS232, 3 x RS485/RS232 Multiplex
<b>USB</b>	2 x standard USB2.0
<b>ADC</b>	8
<b>Relay Output</b>	2
<b>Digital Input</b>	6
<b>Digital Output</b>	4
<b>Power</b>	
<b>Power Supply</b>	Terminal Block
<b>Power Range</b>	Non-PoE: DC 12~36V, PoE: 48V
<b>Power Consumption</b>	Non-PoE<24W, PoE<120W Standby Current <10mA (12V)
<b>Cellular (Optional)</b>	
<b>Standard &amp; Band</b>	5G NR, 4G LTE FDD, LTE TDD, EVDO, WCDMA, TD-SCDMA, CDMA1X, GPRS/EDGE
<b>Bandwidth</b>	5G NR: Downstream rate 3.4Gbps, uplink rate 350Mbps LTE Cat20: Downstream rate 2.0Gbps, uplink rate 150Mbps FDD-LTE: Downstream rate 150Mbps, uplink rate 50Mbps TD-LTE: Downstream rate 130Mbps, uplink rate 35Mbps
<b>Transmit Power</b>	<23dBm
<b>Sensitivity</b>	<-97dBm
<b>WIFI</b>	
<b>Standard &amp; Band</b>	Support IEEE802.11b/g/n, 2.4G, support AP & Client mode
<b>Bandwidth</b>	IEEE802.11b/g: Maximum speed rate 54Mbps IEEE802.11n: Maximum speed rate 150Mbps
<b>Transmit Power</b>	26dBm (11b), 21.5dBm (11g), 20dBm (11n)
<b>Sensitivity</b>	<-72dBm@54Mbps
<b>General</b>	
<b>Casing</b>	Metal, IP30
<b>Dimensions</b>	182 x 152 x 45mm (W x D x H)
<b>Weight (without HDD)</b>	1.5 KG
<b>Working Temperature</b>	-10°C ~ + 75°C ( +14°F ~ +167°F )
<b>Working Humidity</b>	90% (non-condensing)



## Ordering Information

Model	Description
<b>F-NVR100-8C-4G</b>	1 X 10/100/1000M WAN RJ45 port, 8 x 10/100M LAN RJ45 ports, High-speed 4G cellular module & 2.4GHz WIFI module
<b>F-NVR100-8C8P-4G</b>	1 X 10/100/1000M WAN RJ45 port, 8 x 10/100M LAN RJ45 ports with PoE, High-speed 4G cellular module & 2.4GHz WIFI module
<b>F-NVR100-8C8P-5G*</b>	1 X 10/100/1000M WAN RJ45 port, 8 x 10/100M LAN RJ45 ports with PoE, High-speed 5G cellular module & 2.4GHz WIFI module

\*In development