

# FlexCam Network Video Recorders (NVR)

totallyintegratedIPsecurity

The **FlexCam Network Video Recorders (NVR)** deliver advanced features, including H.265 high-profile compression for efficient video quality, 16-channel 4K simultaneous playback, and multiple output options with HDMI (4K/FHD) and VGA (FHD). They support intelligent analytics with FlexCam cameras, face detection, and robust RAID configurations (0, 1, 5, 6, 10) for data protection. Equipped with dual 1GbE Ethernet ports, these NVRs ensure reliable and high-performance network connectivity.



## Key Features

- Versatile Video Outputs:** 1x HDMI (4K), 1x HDMI (FHD), and 1x VGA (FHD) Outputs.
- Advanced Video Analytics:** Support intelligent analytics with FlexCam cameras.
- Enhanced Security Features:** Support Face Detection.
- Efficient Video Compression:** Standard H.265 High Profile Compression for high-quality video at lower bit rates.
- 4K Playback Capability:** 16ch Simultaneous Playback with true 4K High Definition Display.
- Flexible Storage Options:** Support RAID0, RAID1, RAID5, RAID6, RAID10.
- High-Speed Connectivity:** 2x 1GbE Ethernet ports.

## Technical Specifications

| Specifications*       | t128E-16                                                            | t064E-16                                   | t064V-8                                   | t032H-2                                                             | t016H-1                                                   |
|-----------------------|---------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|
| Description           | FlexCam 16 HDD/128ch NVR with RAID Support                          | FlexCam 16 HDD/64ch NVR with RAID Support  | FlexCam 8 HDD/ 64ch NVR with RAID Support | FlexCam 2 HDD/32ch NVR                                              | FlexCam 1 HDD/16ch NVR                                    |
| Operating System      | Linux OS                                                            |                                            |                                           |                                                                     |                                                           |
| Camera Inputs         | 128ch                                                               | 64ch                                       | 64ch                                      | 32ch                                                                | 16ch                                                      |
| Video Resolution      | 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF |                                            |                                           | 12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF  | 8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF |
| Network Bandwidth     | 768 Mbps (Incoming)<br>768 Mbps (Outgoing)                          | 640 Mbps (Incoming)<br>640 Mbps (Outgoing) |                                           | 320Mbps (Incoming)<br>256Mbps(Outgoing)                             | 160Mbps (Incoming)<br>160Mbps (Outgoing)                  |
| Video Compression     | H.264/H.265/H.265+ /H.265S                                          |                                            |                                           |                                                                     |                                                           |
| Live View Decoding    | 1x 16MP@30fps / 4x 12MP@30fps (main output only)                    |                                            |                                           | 1x 12MP@20fps /<br>4x 1080P@30fps                                   | 1x 8MP@30fps /<br>6x 1080P@30fps                          |
| Playback Decoding     | 1x 16MP@30fps / 4x 8MP@30fps (main output only)                     |                                            |                                           | 1x 12MP@20fps /<br>4x 1080P@30fps                                   | 1x 8MP@30fps /<br>6x 1080P@30fps                          |
| Simultaneous Playback | 16ch Max                                                            |                                            |                                           |                                                                     |                                                           |
| Recording             | 16MP@3840fps (30fps per channel)                                    | 16MP@1920fps (30fps per channel)           |                                           | 12MP@640fps (20fps per channel) /<br>9MP@960fps (30fps per channel) | 8MP@480fps (30fps per channel)                            |
| Audio Input           | 128ch IPC Audio Input,<br>1x RCA                                    | 64ch IPC Audio Input,<br>1x RCA            | 16ch IPC Audio Input,<br>1x RCA           | 32ch IPC Audio Input,<br>1x RCA                                     | 16ch IPC Audio Input,<br>1x RCA                           |
| Audio Output          | 1x RCA, HDMI                                                        |                                            |                                           | 1x RCA                                                              | 1x RCA                                                    |

## Technical Specifications (Cont.)

| Specifications*              | t128E-16                                                                                                                                                                   | t064E-16                           | t064V-8                                      | t032H-2                                                                                               | t016H-1                                         |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Video Output                 | HDMI1: 8K/4K/1080P/SXGA/XGA<br>HDMI2/3: 4K/1080P/SXGA/XGA<br>HDMI4: 1080P/SXGA/XGA<br>VGA: 1080P/SXGA/XGA (Video output same as HDMI1)                                     |                                    |                                              | HDMI1: 4K/1080P/SXGA/XGA<br>HDMI2: 1080P/SXGA/XGA<br>VGA: 1080P/SXGA/XGA (Video output same as HDMI1) | HDMI1: 4K/1080P/SXGA/XGA<br>VGA: 1080P/SXGA/XGA |
| USB Interface                | 2x Rear (USB3.0 & USB2.0), 2x Front (USB2.0)                                                                                                                               |                                    | 2x Rear (USB3.0 & USB2.0), 1x Front (USB2.0) |                                                                                                       | 1x Rear, 1x Front (USB2.0)                      |
| Protocol                     | ONVIF, TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP                                       |                                    |                                              |                                                                                                       |                                                 |
| Gigabit Ethernet             | 2x RJ45                                                                                                                                                                    |                                    |                                              |                                                                                                       | 1x RJ45                                         |
| Storage Capacity             | 16x 8TB HDD SATA HDD, 2x eSATA HDD                                                                                                                                         |                                    | 8x 8TB HDD SATA HDD, 2x eSATA HDD            | 2x 8TB HDD SATA HDD                                                                                   | 1x 8TB HDD SATA HDD                             |
| RAID                         | RAID 0/1/5/6/10                                                                                                                                                            |                                    |                                              | No                                                                                                    | No                                              |
| Alarm Input / Output         | 24x Inputs / 8x Outputs                                                                                                                                                    |                                    | 16x Inputs / 4x Outputs                      | 8x Inputs / 4x Outputs                                                                                | No                                              |
| Remote Viewer                | CMS, Web Client, Android, iOS                                                                                                                                              |                                    |                                              |                                                                                                       |                                                 |
| Face Detection               | 128ch (AI by IPC) / 4ch (AI by NVR)                                                                                                                                        | 64ch (AI by IPC) / 4ch (AI by NVR) |                                              | 32ch (AI by IPC) / 2ch (AI by NVR)                                                                    | 16ch (AI by IPC) / 2ch (AI by NVR)              |
| Face Match                   | 16ch                                                                                                                                                                       |                                    | 16ch                                         | 6ch                                                                                                   | No                                              |
| Face Comparison Capability   | 36 picture/sec                                                                                                                                                             |                                    |                                              | 18 picture/sec                                                                                        | No                                              |
| Face Comparison Alarm        | Face Recognition / Stranger                                                                                                                                                |                                    |                                              |                                                                                                       | No                                              |
| Face Picture Database        | 10,000                                                                                                                                                                     |                                    |                                              |                                                                                                       | No                                              |
| Face Search                  | Yes                                                                                                                                                                        |                                    |                                              |                                                                                                       | No                                              |
| Human/Vehicle Classification | Yes                                                                                                                                                                        |                                    |                                              |                                                                                                       |                                                 |
| License Plate Recognition    | Yes (AI by IPC)                                                                                                                                                            |                                    |                                              |                                                                                                       |                                                 |
| Other VCA                    | Object Abandoned/Missing, Line Crossing, Region Intrusion/Entrance/Exiting, Target Counting (Human/Vehicle/Bike), Heat Map, Loitering Detection, Illegal Parking Detection |                                    |                                              |                                                                                                       |                                                 |
| Rack Mount Size              | 3U                                                                                                                                                                         |                                    | 2U                                           | 1U                                                                                                    | No                                              |
| Power                        | ATX-275W (50W Max, without HDD)                                                                                                                                            |                                    | ATX-200W (50W Max, without HDD)              | DC12V, 4A (20W Max, without HDD)                                                                      | DC12V, 1.5A (10W Max, without HDD)              |
| Dimensions, W x H x D (mm)   | 437.0 × 143.0 x 483.0                                                                                                                                                      |                                    | 445.0 × 90.0 x 436.0                         | 380.0 x 45.0 x 268.0                                                                                  | 300.0 x 48.1 x 248.5                            |
| Operating Environment        | -10°C~50°C, Up to 90% RH                                                                                                                                                   |                                    |                                              |                                                                                                       |                                                 |

\* Specifications are subject to change without prior notice.

## Ordering Information

| Model No. | Description                                |
|-----------|--------------------------------------------|
| t128E-16  | FlexCam 16 HDD/128ch NVR with RAID Support |
| t064E-16  | FlexCam 16 HDD/64ch NVR with RAID Support  |
| t064V-8   | FlexCam 8 HDD/ 64ch NVR with RAID Support  |
| t032H-2   | FlexCam 2 HDD/32ch NVR                     |
| t016H-1   | FlexCam 1 HDD/16ch NVR                     |