



Milesight-Troubleshooting NVR Capability

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|--------------------|-----------------|---------------|-------------------|
| NVR Version | XX.9.0.6 | Update | 2019.12.13 |
|--------------------|-----------------|---------------|-------------------|

Mini NVR 1000 Series

| | Model | MS-N1004-UC | MS-N1009-UT | MS-N1009-UNT | |
|-------------------------|---------------------------|---|-------------------------------|---------------------------|---|
| Video/Audio Input | Network Video Input | 4 | 9 | 9 | |
| | Incoming Bandwidth | 40Mbps | 90Mbps | 90Mbps | |
| | Outgoing Bandwidth | 40Mbps | 90Mbps | 90Mbps | |
| | Network Audio Input | 4 | 9 | 9 | |
| | Analog Audio Input | — | — | — | |
| Video/Audio Output | HDMI Output | 1 | 1 | 1 | |
| | VGA Output | — | — | — | |
| | Audio Output | — | — | — | |
| | Synchronous Playback | 30fps@D1 (704×576) | 4 | 9 | 9 |
| | | 30fps@720P (1280×720) | 4 | 9 | 9 |
| | | 30fps@1080P (1920×1080) | 4 | 8 | 8 |
| | | 30fps@3MP (2048×1536/2304×1296) | 2 | 5 | 5 |
| | | 30fps@4MP (2592×1520) | 2 | 4 | 4 |
| | | 30fps@5MP (2560×1920) | 1 | 3 | 3 |
| 30fps@6MP (3072×2048) | | 1 | 2 | 2 | |
| 30fps@8MP (3840×2160) | 1 | 2 | 2 | | |
| Video/Audio Compression | Video Compression | H.265 ⁺ /H.265(HEVC)/H.264 ⁺ /H.264 | | | |
| | Recording Resolution | 8MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF | | | |
| | Max Synchronous Recording | 4*5MP | 9*5MP | 9*5MP | |
| Storage | SATA | 1 SATA 3.5" HDD with 10TB | 2 SATA 2.5" HDD with 2TB each | 1 SATA 3.5" HDD with 10TB | |
| | External Storage | — | — | — | |
| Interface | USB | 2*USB 2.0 | 2*USB 2.0 | 2*USB 2.0 | |
| | Alarm Input/Output | — | — | — | |

Pro NVR 5000 Series

| Model | | MS-N5008-UT | MS-N5016-UT | |
|-------------------------|---------------------------|---|----------------------|----|
| Video/Audio Input | Network Video Input | 8 | 16 | |
| | Incoming Bandwidth | 80Mbps | 160Mbps | |
| | Outgoing Bandwidth | 80Mbps | 160Mbps | |
| | Network Audio Input | 8 | 16 | |
| | Analog Audio Input | — | — | |
| Video/Audio Output | HDMI Output | 1 | 1 | |
| | VGA Output | 1 | 1 | |
| | Audio Output | 1*RCA | 1*RCA | |
| | Synchronous Playback | 30fps@D1 (704×576) | 8 | 16 |
| | | 30fps@720P (1280×720) | 8 | 16 |
| | | 30fps@1080P (1920×1080) | 8 | 8 |
| | | 30fps@3MP (2048×1536/2304×1296) | 5 | 5 |
| | | 30fps@4MP (2592×1520) | 4 | 4 |
| | | 30fps@5MP (2560×1920) | 3 | 3 |
| 30fps@6MP (3072×2048) | | 2 | 2 | |
| 30fps@8MP (3840×2160) | 2 | 2 | | |
| Video/Audio Compression | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264 | | |
| | Recording Resolution | 8MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF | | |
| | Max Synchronous Recording | 8*5MP | 16*5MP | |
| Storage | SATA | 2 SATA 2.5" HDD with 10TB each | | |
| | External Storage | — | — | |
| Interface | USB | 1*USB 3.0; 2*USB 2.0 | 1*USB 3.0; 2*USB 2.0 | |
| | Alarm Input/Output | 4-CH/1-CH | 4-CH/1-CH | |

Pro NVR 7000 Series

| | Model | MS-N7016-UH | MS-N7032-UH | |
|-------------------------|---------------------------|--|--|----|
| Video/Audio Input | Network Video Input | 16 | 32 | |
| | Incoming Bandwidth | 160Mbps | 256Mbps or 200Mbps(when RAID is enabled) | |
| | Outgoing Bandwidth | 160Mbps | 256Mbps or 200Mbps(when RAID is enabled) | |
| | Network Audio Input | 16 | 32 | |
| | Analog Audio Input | 1*RCA | 1*RCA | |
| Video/Audio Output | HDMI Output | 1 | 1 | |
| | VGA Output | 1 | 1 | |
| | Audio Output | 1*RCA | 1*RCA | |
| | Synchronous Playback | 30fps@D1 (704×576) | 16 | 32 |
| | | 30fps@720P (1280×720) | 16 | 32 |
| | | 30fps@1080P (1920×1080) | 16 | 16 |
| | | 30fps@3MP (2048×1536/2304×1296) | 10 | 10 |
| | | 30fps@4MP (2592×1520) | 8 | 8 |
| | | 30fps@5MP (2560×1920) | 6 | 6 |
| | | 30fps@6MP (3072×2048) | 5 | 5 |
| 30fps@8MP (3840×2160) | 4 | 4 | | |
| Video/Audio Compression | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264 | | |
| | Recording Resolution | 12MP/8MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF | | |
| | Max Synchronous Recording | 16*5MP | 32*5MP | |
| Storage | SATA | 4 SATA 3.5" HDD with 10TB each | | |
| | External Storage | — | — | |
| Interface | USB | 1*USB 3.0; 2*USB 2.0 | 1*USB 3.0; 2*USB 2.0 | |
| | Alarm Input/Output | 16-CH/4-CH | 16-CH/4-CH | |

Pro NVR 8000 Series

| Model | | MS-N8032-UH | MS-N8064-UH | |
|-------------------------|---------------------------|--|--|----|
| Video/Audio Input | Network Video Input | 32 | 64 | |
| | Incoming Bandwidth | 256Mbps or 200Mbps(when RAID is enabled) | 320Mbps or 200Mbps(when RAID is enabled) | |
| | Outgoing Bandwidth | 256Mbps or 200Mbps(when RAID is enabled) | 256Mbps or 200Mbps(when RAID is enabled) | |
| | Network Audio Input | 32 | 64 | |
| | Analog Audio Input | 1*RCA | 1*RCA | |
| Video/Audio Output | HDMI Output | 2 | 2 | |
| | VGA Output | 2 | 2 | |
| | Audio Output | 2*RCA | 2*RCA | |
| | Synchronous Playback | 30fps@D1 (704×576) | 32 | 64 |
| | | 30fps@720P (1280×720) | 32 | 32 |
| | | 30fps@1080P (1920×1080) | 16 | 16 |
| | | 30fps@3MP (2048×1536/2304×1296) | 10 | 10 |
| | | 30fps@4MP (2592×1520) | 8 | 8 |
| | | 30fps@5MP (2560×1920) | 6 | 6 |
| 30fps@6MP (3072×2048) | | 5 | 5 | |
| 30fps@8MP (3840×2160) | 4 | 4 | | |
| Video/Audio Compression | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264 | | |
| | Recording Resolution | 12MP/8MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF | | |
| | Max Synchronous Recording | 32*5MP | 64*5MP | |
| Storage | SATA | 8 SATA 3.5" HDD with 10TB each | | |
| | External Storage | 1 eSATA | 1 eSATA | |
| Interface | USB | 1*USB 3.0; 2*USB 2.0 | 1*USB 3.0; 2*USB 2.0 | |
| | Alarm Input/Output | 16-CH/4-CH | 16-CH/4-CH | |

PoE NVR 1000 Series

| | Model | MS-N1004-UPC | MS-N1009-UPT | |
|-------------------------|---------------------------|---|--------------|---|
| Video/Audio Input | Network Video Input | 4 | 9 | |
| | Incoming Bandwidth | 40Mbps | 90Mbps | |
| | Outgoing Bandwidth | 40Mbps | 90Mbps | |
| | Network Audio Input | 4 | 9 | |
| | Analog Audio Input | — | — | |
| Video/Audio Output | HDMI Output | 1 | 1 | |
| | VGA Output | — | — | |
| | Audio Output | — | — | |
| | Synchronous Playback | 30fps@D1 (704×576) | 4 | 9 |
| | | 30fps@720P (1280×720) | 4 | 9 |
| | | 30fps@1080P (1920×1080) | 4 | 8 |
| | | 30fps@3MP (2048×1536/2304×1296) | 2 | 5 |
| | | 30fps@4MP (2592×1520) | 2 | 4 |
| | | 30fps@5MP (2560×1920) | 1 | 3 |
| 30fps@6MP (3072×2048) | | 1 | 2 | |
| 30fps@8MP (3840×2160) | 1 | 2 | | |
| Video/Audio Compression | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264 | | |
| | Recording Resolution | 8MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF | | |
| | Max Synchronous Recording | 4*5MP | 9*5MP | |
| Storage | SATA | 1 SATA 3.5" HDD with 10TB | | |
| Interface | USB | 2*USB 2.0 | | |
| | Alarm Input/Output | — | | |
| PoE Interface | Interface | 4*RJ45 10M/100M | | |
| | Power Output | ≤40W | | |
| | Supported Standard | IEEE 802.3af/at | | |

PoE NVR 5000 Series

| Model | | MS-N5008-UPT | MS-N5016-UPT | |
|-------------------------|---------------------------|---|----------------------|----|
| Video/Audio Input | Network Video Input | 8 | 16 | |
| | Incoming Bandwidth | 80Mbps | 160Mbps | |
| | Outgoing Bandwidth | 80Mbps | 160Mbps | |
| | Network Audio Input | 8 | 16 | |
| | Analog Audio Input | — | — | |
| Video/Audio Output | HDMI Output | 1 | 1 | |
| | VGA Output | 1 | 1 | |
| | Audio Output | 1*RCA | 1*RCA | |
| | Synchronous Playback | 30fps@D1 (704×576) | 8 | 16 |
| | | 30fps@720P (1280×720) | 8 | 16 |
| | | 30fps@1080P (1920×1080) | 8 | 8 |
| | | 30fps@3MP (2048×1536/2304×1296) | 5 | 5 |
| | | 30fps@4MP (2592×1520) | 4 | 4 |
| | | 30fps@5MP (2560×1920) | 3 | 3 |
| 30fps@6MP (3072×2048) | | 2 | 2 | |
| 30fps@8MP (3840×2160) | 2 | 2 | | |
| Video/Audio Compression | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264 | | |
| | Recording Resolution | 8MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF | | |
| | Max Synchronous Recording | 8*5MP | 16*5MP | |
| Storage | SATA | 2 SATA 3.5" HDD with 10TB each | | |
| Interface | USB | 1*USB 3.0; 2*USB 2.0 | 1*USB 3.0; 2*USB 2.0 | |
| | Alarm Input/Output | 4-CH/1-CH | 4-CH/1-CH | |
| PoE Interface | Interface | 8*RJ45 10M/100M | 16*RJ45 10M/100M | |
| | Power Output | ≤120W | ≤200W | |
| | Supported Standard | IEEE 802.3af/at | | |

PoE NVR 7000 Series

| Model | | MS-N7016-UPH | MS-N7032-UPH | |
|-------------------------|---------------------------|--|--|----|
| Video/Audio Input | Network Video Input | 16 | 32 | |
| | Incoming Bandwidth | 160Mbps | 256Mbps or 200Mbps(When RAID is enabled) | |
| | Outgoing Bandwidth | 160Mbps | 256Mbps or 200Mbps(When RAID is enabled) | |
| | Network Audio Input | 16 | 32 | |
| | Analog Audio Input | 1*RCA | 1*RCA | |
| Video/Audio Output | HDMI Output | 1 | 1 | |
| | VGA Output | 1 | 1 | |
| | Audio Output | 1*RCA | 1*RCA | |
| | Synchronous Playback | 30fps@D1 (704×576) | 16 | 32 |
| | | 30fps@720P (1280×720) | 16 | 32 |
| | | 30fps@1080P (1920×1080) | 16 | 16 |
| | | 30fps@3MP (2048×1536/2304×1296) | 10 | 10 |
| | | 30fps@4MP (2592×1520) | 8 | 8 |
| | | 30fps@5MP (2560×1920) | 6 | 6 |
| | | 30fps@6MP (3072×2048) | 5 | 5 |
| 30fps@8MP (3840×2160) | 4 | 4 | | |
| Video/Audio Compression | Video Compression | H.265+/H.265(HEVC)/H.264+/H.264 | | |
| | Recording Resolution | 12MP/8MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF | | |
| | Max Synchronous Recording | 16*5MP | 32*5MP | |
| Storage | SATA | 4 SATA 3.5" HDD With 10TB each | | |
| Interface | USB | 1*USB 3.0; 2*USB 2.0 | 1*USB 3.0; 2*USB 2.0 | |
| | Alarm Input/Output | 16-CH/4-CH | 16-CH/4-CH | |
| PoE Interface | Interface | 16*RJ45 10M/100M | 16*RJ45 10M/100M | |
| | Power Output | ≤200W | ≤200W | |
| | Supported Standard | IEEE 802.3af/at | | |

Other Series

| Model | | MS-N1004/ MS-N1008 | MS-N5008 | MS-N7016 | MS-N8016/ MS-N8032 | |
|----------------------------|------------------------------|---|-------------------------------------|---|---------------------------------------|-------|
| Video/Audio Input | Network Video Input | 4/8 | 8 | 16 | 16 / 32 | |
| | Max. Stream | 20Mbps/40Mbps | 40Mbps | 80Mbps | 80Mbps/96Mbps | |
| | Network Audio Input | 4/8 | 8 | 16 | 16 / 32 | |
| | Analog Audio Input | — | — | 1*RCA | 1*RCA | |
| Video/Audio Output | HDMI Output | 1 | 1 | 1 | 1 | |
| | VGA Output | — | — | 1 | 1 | |
| | Audio Output | — | — | 1*RCA | 1*RCA | |
| | Synchronous Playback | 30fps@D1 (704×576) | 4/8 | 8 | 16 | 16/16 |
| | | 30fps@720P (1280×720) | 4/4 | 4 | 16 | 16/16 |
| | | 30fps@1080P (1920×1080) | 2/2 | 2 | 6 | 6/6 |
| | | 30fps@3MP (2048×1536 /2304×1296) | 1/1 | 1 | 3 | 3/3 |
| | | 30fps@4MP (2592×1520) | — | — | 3 | 3/3 |
| 8fps@5MP (2560×1920) | — | — | 3 | 3/3 | | |
| Video/Audio Compression | Video Compression | H.264 | | | | |
| | Recording Resolution | 3MP/1080P/UXGA/720P /VGA/D1/CIF/QCIF | | 5MP/4MP/3MP/1080P/UXGA /720P/VGA/D1/CIF/QCIF | | |
| | Max Synchronous Recording | 4/8 (3MP) | 8 (3MP) | 16 (5MP) | 16/32 (5MP) | |
| Storage | SATA | 2 SATA 2.5''HDD with 2TB each | 2 SATA 3.5''HDD with 4TB each | 4 SATA 3.5''HDD with 4TB each | 4/8 SATA 3.5''HDD with 4TB each | |
| | External Storage | — | — | 1 eSATA | | |
| Interface | USB | 2*USB 2.0 | | 4*USB 2.0 | | |
| | Alarm Input/Output | — | | 16 input/4 output | | |

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