### **Network Video Recorder**

#### NVR302-B-IQ Series



#### Features

UNV

- Support Ultra H.265/H.265/H.264 video formats
- 9/16/32-channel input
- Supports mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols
- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support HDMI and VGA simultaneous output
- Up to 12 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

#### **Specifications**

Decoding	Description
Decoding Format	Ultra 265,H.265,H.264
Decoding Capability	NVR302-09B-IQ:Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 9 x 1080P@30 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30, 9 x 720P@30
	NVR302-32B-IQ:Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 10 x 1080P@30, 20 x 720P@30, 32 x D1 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30, 16 x 720P@30, 32 x D1
	NVR302-16B-IQ:Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 10 x 1080P@30, 16 x 720P@30 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30, 16 x 720P@30
Audio Compression	G.711A, G.711U

# UNV

### DATASHEET

Incoming Bandwidth160MbpsOutgoing Bandwidth128MbpsRemote Users128ProtocolsTCP/IP, P2P, NTP, DHCP; PPPOE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; RTSP; IPv6; IPv4Browser(Plugin)Windows!E(IE10/11).Firefox (version 52.0 and above).Chrome(version 45 and above).Edgeversion 79 and above)Video/Audio InputDescriptionIP Video InputNNR302-08E-10-32-ch NVR302-16E-10-32-ch NVR302-03E-10-32-ch NVR302-03E-10-32-ch NVR302-32E-10-32-ch NVR302-32E-10-32-ch NVR302-32E-10-32-32E-	Network	Description
Remote Users   128     Protocols   TCP/IP: P2P: NTP: DHCP: PPPoE: HTTP: HTTPS; DNS; DDNS; SNMP: SMTP; RTSP: IPv6; IPv4     Browser(Plugin)   Windows:IE(IE10/11), Firefox (version 52.0 and above), Chrome(version 45 and above). Edge(version 79 and above)     Video/Audio Input   Description     IP Video Input   NVR302-098-IC29-ch NVR302-108-IC21-ch     RCA Audio Input   1-ch     Video/Audio Output   Description     HDMI Output   Description     HDMI Output   Description     VGA Output   VGA:1200/r080P/60Hz, 1920x1080P/60Hz, 1920x1080P/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz     VGA Output   VGA:1920x1080P/60Hz, 1024x768/60Hz     VGA Output   1-ch     NVR302-08E-I0:1/4/6/89     RCA Audio Output   1-ch     NVR302-08E-I0:1/4/6/89     VGA Screen   NVR302-08E-I0:1/4/6/89/16     NVR302-32E-I0:1/4/6/89/16     Vero-way Audio   1-ch,RC4(Using the audio input and output)     Snapshot   Description     Ftry-Schedule/Event Snapshot   4-ch snapshot.up to D1 resolution     Recording   Description     Ftry-Schedule/Event Snapshot   4-ch snap	Incoming Bandwidth	160Mbps
Protocols   TCP/IP; P2P; NTP; DHCP; PPPOE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; RTSP; IPv6; IPv4     Browser(Plugin)   Windows: IE(IE10/11), Firefox (version 52.0 and above), Chrome (version 45 and above), Edge(version 79 and above)     Video/Audio Input   Description     IP Video Input   NVR302-088-IQ:32-ch NVR302-328-IQ:32-ch NVR302-328-IQ:32-ch     NVR302-328-IQ:32-ch NVR302-328-IQ:32-ch   NVR302-088-IQ:16-ch     RCA Audio Input   1-ch     Video/Audio Output   Description     HDMI Output   1200/10840/2160/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz     VGA Output   VGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x720/60Hz, 1024x768/60Hz     RCA Audio Output   1-ch     VGA Output   VGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x70/60Hz, 1280x720/60Hz, 1280x720/60Hz, 1280x720/60Hz, 1020x760/60Hz,     RCA Audio Output   1-ch     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/91     NVR302-328-IQ:1/4/6/8/916	Outgoing Bandwidth	128Mbps
ProtocolsIPv6; IPv4Browser(Plugin)Windows.IE(IE10/11),Firefox (version 52.0 and above),Chrome(version 45 and above),Edge(version 79 and above)Video/Audio InputDescriptionIP Video InputNVR302-09B-IQ:9-ch NVR302-32B-IQ:32-ch NVR302-32B-IQ:32-chRCA Audio Input1-chVideo/Audio OutputDescriptionHDMI:4K(3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x120/60Hz, 1920x1080p/50Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x120/60Hz, 1280x720/60Hz, 1024x768/60HzVGA OutputVGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60HzVGA Output1-chNVR302-09B-IQ:1/4/6/8/9Liveview DisplayNVR302-09B-IQ:1/4/6/8/9NVR302-23E-IQ:1/4/6/8/9/16/25/32 NVR302-23E-IQ:1/4/6/8/9/16/25/32NVR302-23E-IQ:1/4/6/8/9/16/25/32NVR302-23E-IQ:1/4/6/8/9/16/25/32NVR302-23E-IQ:1/4/6/8/9/16Two-way AudioDescriptionTwo-way Audio1-ch.RCA(Using the audio input and output)SnapshotDescriptionTwo-way Audio1-ch.RCA(Using the audio input and output)SnapshotDescriptionVCA Detection Ing Resolution12MP/8MP/6MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSnartDescriptionCo	Remote Users	128
Blowsel(rhight)above),Edge(version 79 and above)Video/Audio InputDescriptionIP Video InputNVR302-328-IQ-32-ch NVR302-16B-IQ:16-chRCA Audio Input1-chVideo/Audio OutputDescriptionHDMI Output120x1080p/60Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x102/60HzVGA OutputVGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60HzRCA Audio Output1-chVGA OutputVGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60HzRCA Audio Output1-chRCA Audio Output1-chNVR302-09B-IQ:1/4/6/8/9Liveview DisplayNVR302-09B-IQ:1/4/6/8/9/16/25/32NVR302-32B-IQ:1/4/6/8/9/16NVR302-32B-IQ:1/4/6/8/9/16NVR302-32B-IQ:1/4/6/8/9/16Two-way AudioDescriptionTwo-way Audio1-ch.RCA(Using the audio input and output)Snapshot1-ch.RCA(Using the audio input and output)Snapshot0escriptionTwo-way Audio1-ch.RCA(Using the audio input and output)Snapshot1-ch.RCA(Using the audio input and output)Snapshot1-ch.RCA(Using the audio input and output)Snapshot0escriptionFrecordingDescriptionRecording Resolution1-200-200-200-200-200-200-200-200-200-20	Protocols	
IP Video InputNVR302-09B-IQ-9-ch NVR302-32B-IQ-32-ch NVR302-16B-IQ-16-chRCA Audio Input1-chVideo/Audio OutputDescriptionHDMI OutputHDMI-4K(3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60HzVGA OutputVGA.1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x720/60Hz, 1024x768/60HzRCA Audio Output1-chRCA Audio Output1-chNVR302-09B-IQ-11/4/6/8/9 NVR302-32B-IQ-11/4/6/8/9/16/25/32 NVR302-16B-IQ-11/4/6/8/9/16/25/32 NVR302-32B-IQ-11/4/6/8/9/16Playback ScreenNVR302-09B-IQ-11/4/6/8/9/16/25/32 NVR302-32B-IQ-11/4/6/8/9/16Two-way AudioDescriptionTwo-way Audio1-ch, RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot, up to 11 resolutionRecordingDescriptionRecording Resolution120M/8MP/6MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-32B-IQ/NVR302-16B-IQ-16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection (UMD); People Counting 	Browser(Plugin)	
IP Video InputNVR302-32B-IQ:32-ch NVR302-16B-IQ:16-chRCA Audio Input1-chVideo/Audio OutputDescriptionHDII Output1280x1204/60Hz, 1220x1080p/60Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1220x720/60Hz, 1024x768/60HzVGA OutputVGA:1920x1600p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1220x720/60Hz, 1024x768/60HzRCA Audio Output1-chLiveview DisplayNVR302-09B-IQ:1/4/6/8/9 NVR302-32B-IQ:1/4/6/8/9/16/25/32 NVR302-16B-IQ:1/4/6/8/9/16/25/32 NVR302-32B-IQ:1/4/6/8/9/16/25/32 NVR302-32B-IQ:1/4/6/8/9/16Payback ScreenNVR302-09B-IQ:1/4/6/8/9/16/25/32 NVR302-32B-IQ:1/4/6/8/9/16Two-way AudioDescriptionTwo-way AudioDescriptionTwo-way AudioDescriptionSnapshot1-ch,RCA(Using the audio input and output)SnapshotDescriptionRecordingDescriptionRecording ResolutionNNR302-09B-IQ:9-ChSynchronous Playback in LocaNNR302-09B-IQ:9-ChSnartDescriptionSnartDescriptionSnart by INCRFace Detection; face detection; Vehicle Detection; SIP(Intrusion Detection(UMD); People Curting People Counting, Crowd Density Monitoring); Traffic MonitoringSnart by INCRIca detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection, Vehicle Detection, Shife Monitoring; Nutbile Report, Head MapSnart by IPCShife Andenaci, Up to 5 whicle picture libraries, with up to 25,000 whicle pictures in total	Video/Audio Input	Description
Video/Audio Output   Description     HDMI Output   HDMI:4K(3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz     VGA Output   VGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz     RCA Audio Output   1-ch     NVR302-09B-IQ:1/4/6/8/9   NVR302-32B-IQ:1/4/6/8/9/16/25/32     NVR302-16B-IQ:1/4/6/8/9/16   NVR302-32B-IQ:1/4/6/8/9/16     Playback Screen   NVR302-32B-IQ:1/4/6/8/9/16     Two-way Audio   Description     Two-way Audio   Description     Snapshot   Description     Recording   Description     Recording Resolution   12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF     Synchronous Playback in Local   NVR302-32B-IQ:NVR302-16B-IQ:16-ch     Smart   Description     VCA Detection by IPC   Face Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, ClMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic Monitoring     Smart by NVR   face detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection, UMD)     VCA Search   Motor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting, Crowd Density Monitoring); Traffic Monitori	IP Video Input	NVR302-32B-IQ:32-ch
HDMI OutputHDMI:4K(3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60HzVGA OutputVGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60HzRCA Audio Output1-chLiveview DisplayNVR302-09B-IQ:1/4/6/8/9 NVR302-32B-IO:1/4/6/8/9/16/25/32 NVR302-16B-IQ:1/4/6/8/9/16Playback ScreenNVR302-09B-IQ:1/4/6/8/9/16Two-way AudioDescriptionTwo-way Audio1-ch.RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:16-ChSmartDescriptionVCA Detection by IPCEace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line People Flow Counting, Growd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection, UMD); People Counting, Growd Density Monitoring); Traffic MonitoringSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, face detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	RCA Audio Input	1-ch
HDMI Odiput1280x1024/60Hz, 1280x720/60Hz, 1024x768/60HzVGA OutputVGA.1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60HzRCA Audio Output1-chLiveview DisplayNVR302-09B-IQ:1/4/6/8/9/ NVR302-32B-IQ:1/4/6/8/9/16/25/32 NVR302-32B-IQ:1/4/6/8/9/16Playback ScreenNVR302-09B-IQ:1/4/6/8/9/16Two-way AudioDescriptionTwo-way Audio1-ch, RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection; face detection; SIP (Intrusion Detection, Cross Line Peeple Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by IVRAce detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection, General Search; Peeple Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SiP, UMD, Traffic MonitoringVchicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Video/Audio Output	Description
VGA Output1280x720/60Hz, 1024x768/60HzRCA Audio Output1-chLiveview DisplayNVR302-09B-IQ:1/4/6/8/9VVR302-32B-IQ:1/4/6/8/9/16/25/32 NVR302-16B-IQ:1/4/6/8/9/16/25/32 NVR302-16B-IQ:1/4/9/16Playback ScreenNVR302-09B-IQ:1/4/9 NVR302-32B-IQ/NVR302-16B-IQ:1/4/9/16Two-way AudioDescriptionTwo-way Audio1-ch,RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecordingDescriptionRecording Resolution12MP/8MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	HDMI Output	
Liveview DisplayNVR302-09B-IQ:1/4/6/8/9Liveview DisplayNVR302-32B-IQ:1/4/6/8/9/16/25/32 NVR302-16B-IQ:1/4/6/8/9/16Playback ScreenNVR302-09B-IQ:1/4/9 NVR302-32B-IQ/NVR302-16B-IQ:1/4/9/16Two-way AudioDescriptionTwo-way Audio1-ch,RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecordingDescriptionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	VGA Output	
Liveview DisplayNVR302-32B-IQ:1/4/6/8/9/16/25/32 NVR302-16B-IQ:1/4/6/8/9/16Playback ScreenNVR302-09B-IQ:1/4/9 NVR302-32B-IQ/NVR302-16B-IQ:1/4/9/16Two-way AudioDescriptionTwo-way Audio1-ch,RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection (UMD); People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by INVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	RCA Audio Output	1-ch
Playback ScreenNVR302-32B-IQ/NVR302-16B-IQ:1/4/9/16Two-way AudioDescriptionTwo-way Audio1-ch,RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecordingDescriptionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line (People Flow Counting, Crowd Densit) Wonitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCUlt channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SIP; Ultra Motion Detection, Vehicle Detection, SIP, UMD, Traffic Monitoring	Liveview Display	NVR302-32B-IQ:1/4/6/8/9/16/25/32
Two-way AudioDescriptionTwo-way Audio1-ch,RCA(Using the audio input and output)SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecordingDescriptionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Playback Screen	
SnapshotDescriptionFTP/Schedule/Event Snapshot4-ch snapshot, up to D1 resolutionRecordingDescriptionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Two-way Audio	
FTP/Schedule/Event Snapshot4-ch snapshot,up to D1 resolutionRecordingDescriptionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Two-way Audio	1-ch,RCA(Using the audio input and output)
RecordingDescriptionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Snapshot	Description
RecordingDescriptionRecording Resolution12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIFSynchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	FTP/Schedule/Event Snapshot	4-ch snapshot,up to D1 resolution
Synchronous Playback in LocalNVR302-09B-IQ:9-ch NVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Recording	Description
Synchronous Playback in LocalNVR302-32B-IQ/NVR302-16B-IQ:16-chSmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF
SmartDescriptionVCA Detection by IPCFace Detection; face detection; Vehicle Detection; SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection (UMD); People Counting (People Flow Counting, Crowd Density Monitoring); Traffic MonitoringSmart by NVRface detection; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)VCA SearchMotor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat MapSmart by IPCAll channels (up to 8 images/s in total)Face Detection, face detection, Vehicle Detection, SIP, UMD, Traffic MonitoringVehicle Picture LibraryUp to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	Synchronous Playback in Local	
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Sinart by IPC SIP, UMD, Traffic Monitoring   Vehicle Picture Library Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total	VCA Search	
	Smart by IPC	
SIP by NVR 2-ch	Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
	SIP by NVR	2-ch

# UNV

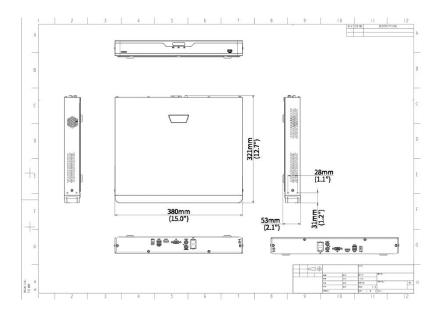
### DATASHEET

UMD by NVR	4-ch
Alarm	Description
General Alarm	Defocus Detection; Scene Change Detection; Object Left Behind; Object Removed; Auto Tracking; Motion Detection; Tampering; Human Body Detection; Video Loss; Alarm Input; Audio Detection
Alert Alarm	IP Conflict; Network Disconnected; Disk Offline; Disk Abnormal; Illegal Access; Hard Disk Space Low; Hard Disk Full; Recording/Snapshot Abnormal
GUI Language	Description
GUI Language	38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian
Hard Disk	Description
SATA	2 SATA Interfaces
Capacity	Up to 10TB for each HDD (The maximum HDD capacity varies with environment temperature)
External Interface	Description
Network Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB	Front panel: 1 x USB2.0; Rear panel: 1 x USB2.0, 1 x USB3.0
RS485	N/A
RS232	N/A
Alarm In	N/A
Alarm Out	N/A
Power Supply	DC 12V/3A
Working Environment	Description
Working Temperature	-10°C ~ + 55°C (+14°F ~ +131°F)
Working Humidity	$\leq$ 90% RH (non-condensing)
Power Consumption (without HD D)	≤ 12W
Dimensions	Description
Weight (without HDD)	$\leq$ 2Kg (4.4lb)
Dimensions	380mm $\times$ 315mm $\times$ 53mm (15.0" $\times$ 12.4" $\times$ 2.1")
Certification	Description
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

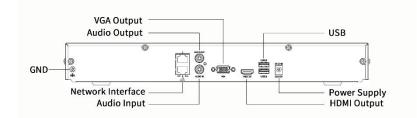
#### DATASHEET

## UNV

#### Dimensions



#### **Rear Panel**



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