

EXPLOSION PROOF VIDEO INTERCOM

IP BASED PA SYSTEM



DESCRIPTION

NVS-IP100027IC is an IP-based video intercom terminal designed for hazardous environments with explosive gas or dust. It features an explosion-proof stainless-steel enclosure compliant with industrial safety standards, ensuring high structural integrity and corrosion resistance. The device is rated IP68 for complete protection against dust ingress and long-term submersion. It is engineered for deployment in oil refineries, petrochemical plants, gas stations, and similar ATEX/IECEx-classified zones requiring intrinsically safe communication endpoints.

FEATURES

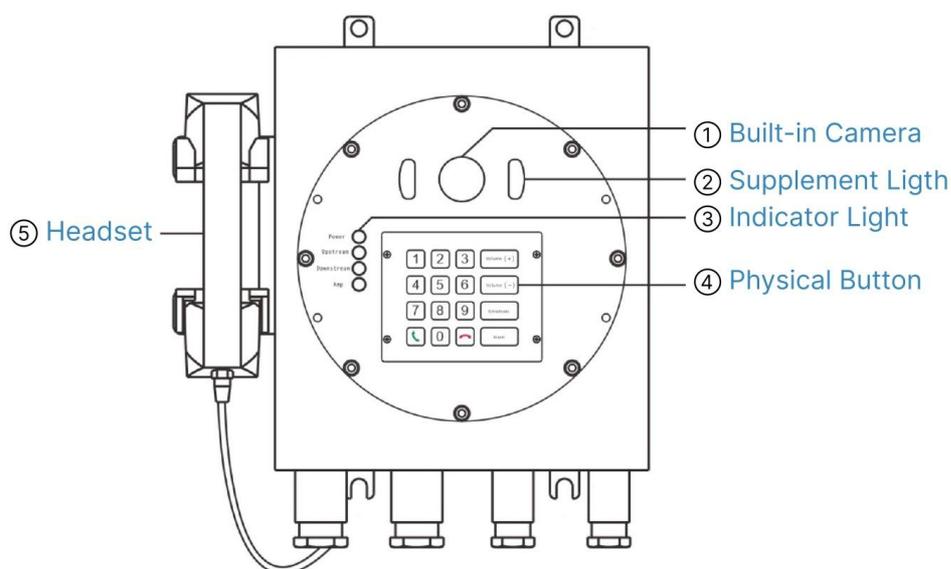
- ⦿ HD wide-angle camera with H.264 compression; SIP protocol compliant
- ⦿ Numeric keypad & programmable quick-call for one-touch dialing
- ⦿ Registers independently to IP PBX (Asterisk, Yealink, etc.)
- ⦿ Supports all-zone broadcast, offline intercom without server
- ⦿ Built-in digital amplifier; 1x Relay input/output for sensors & devices
- ⦿ RJ45 Ethernet, supports cross-segment and cross-routing networking

Specifications	
Model	NVS-IP100027IC
Power Supply	AC 220V, 50Hz
Standby Power Consumption	≤50W
Audio Sampling & Bit Rate	8kHz-44.1kHz, 16bit, 8kbps-320kbps
Built-in Amplifier	8Ω, 30W
Audio Coding	PCM/ ADPCM/ WAV
Camera	CMOS
Video Coding	H.264

EXPLOSION PROOF VIDEO INTERCOM

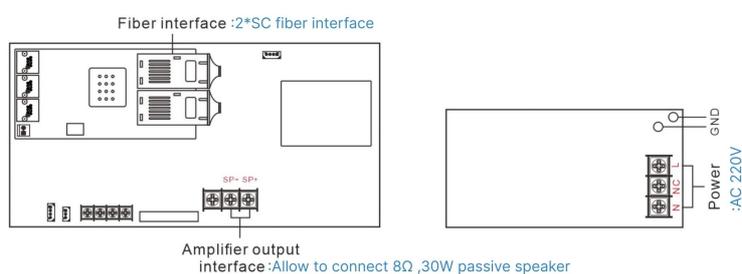
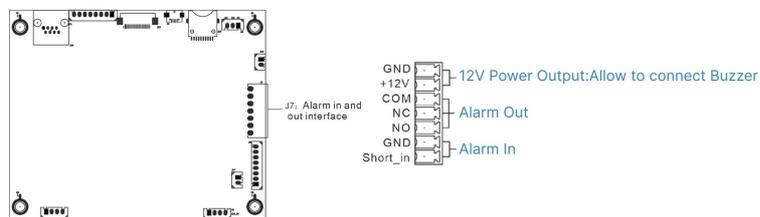
Video Transmission Bit Rate	96kbps-1024kbps
Network Interface	10BASE-T/ 100BASE-TX RJ45
Network Protocol	TCP/IP, UDP, ARP, ICMP, SIP, IGMP, ONVIF
Configuration Method	Web Interface or DevConfig Tool
Mounting Method	Surface Mounted
Installation Environment	Outdoor Locations
Operating Temperature	-20°C~+40°C
Operating Humidity	10%~90% RH non-condensing
Front Panel Material	Stainless Steel
Colour	Silver
Protection Level	IP68
Weight	19 Kg
Dimensions	356×402×178 mm

FRONT PANEL

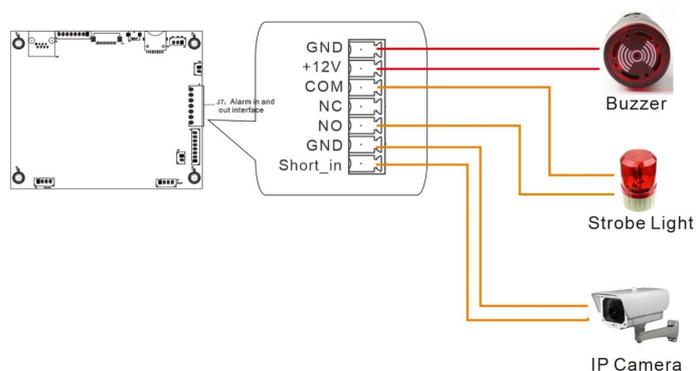
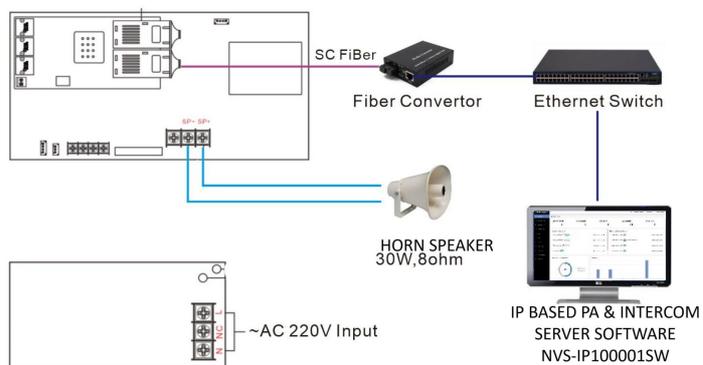


EXPLOSION PROOF VIDEO INTERCOM

REAR PANEL



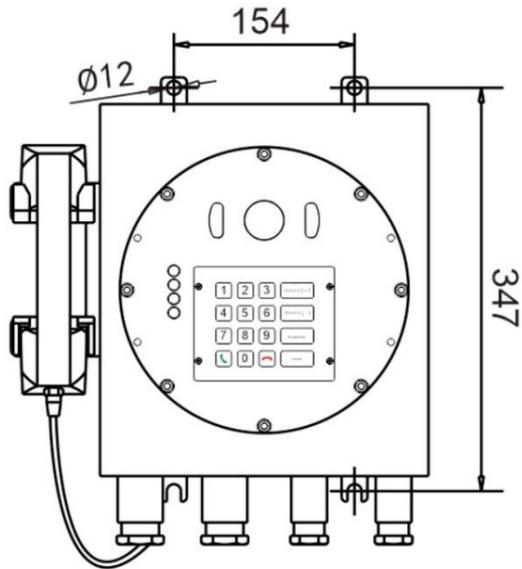
CONNECTION DIAGRAM



EXPLOSION PROOF VIDEO INTERCOM

DIMENSION

Unit: mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100027IC	EXPLOSION PROOF VIDEO INTERCOM	01

ACCESSORIES INFORMATION

Description	Standard Quantity
User Manual	01