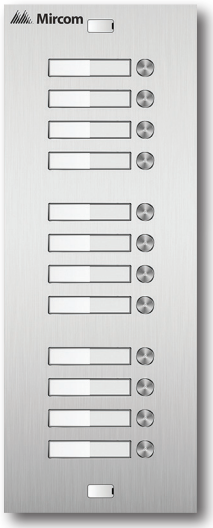
2-WIRE VIDEO INTERCOM SYSTEM - PANEL & EXTENSION VX-AP8 / VX-AP12



VX-AP8
Panel



VX-AP12
Extension Panel

Description

The VX-AP8 and VX-AP12 series provides a robust, modular entrance intercom solution for multi-residential applications. The VX-AP8 combines an 8-button directory with a 2 MP HD wide-angle camera, illuminated nameplates, and SIP-based audio and video communication, while the VX-AP12 expansion panel adds 12 additional call buttons to support larger buildings.

Designed around a simple non-polarized 2-wire BUS architecture, the system offers streamlined installation and integrates door control, request-to-exit and alarm inputs. Its aluminum construction, IP54 weather protection, IK07 impact resistance, and flush-mount design make it well suited for apartment and condominium entrances.

Features

- High-quality aluminum housing
- 2 MP HD camera with 1080p video resolution
- 150° horizontal wide-angle field of view
- Backlit nameplates and illuminated push buttons
- White LED illumination for enhanced color visibility in low-light conditions
- LED indicators for calling, talking, and door-unlock status
- Supports:
  - 1 electric lock
  - 1 automatic door operator
  - 1 request-to-exit input
  - 1 alarm input
- SIP-based audio and video communication with compatible SIP devices
- RTSP video streaming for compatible video players and recording systems
- IP54-rated protection
- IK07-rated vandal resistance
- Powered through the 2-wire bus
- Optional push-button extension panels for expanded resident capacity

NOT TO BE USED FOR INSTALLATION PURPOSES.
THIS INFORMATION IS FOR MARKETING PURPOSES ONLY AND NOT INTENDED TO DESCRIBE THE PRODUCTS TECHNICALLY.

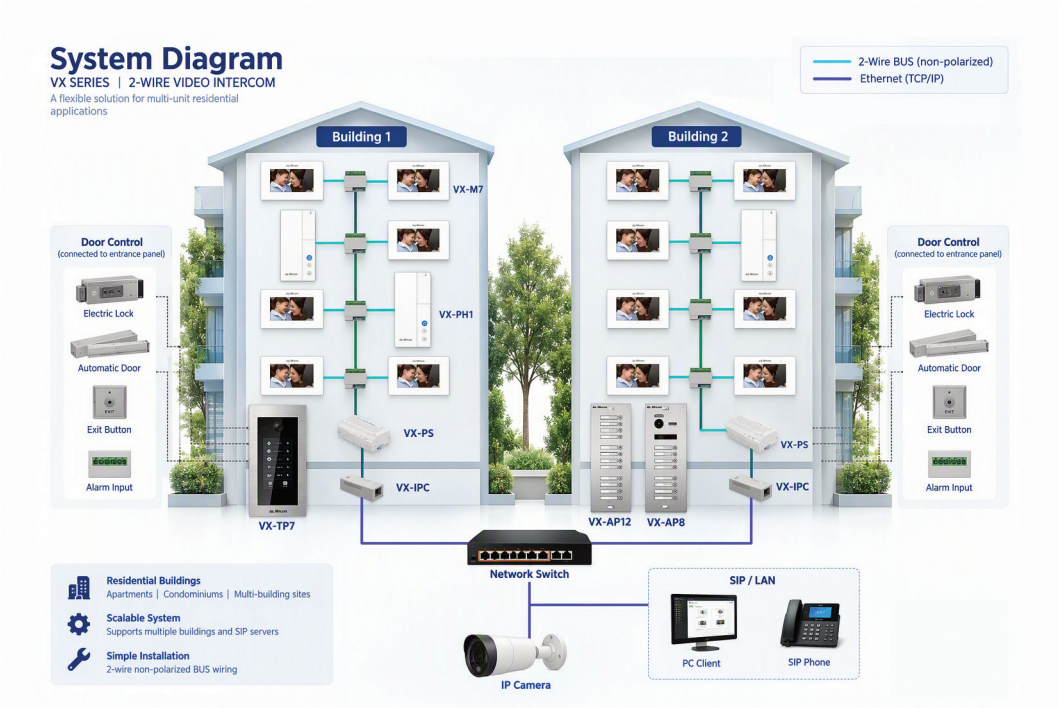
CATALOG NUMBER
6995

Specification

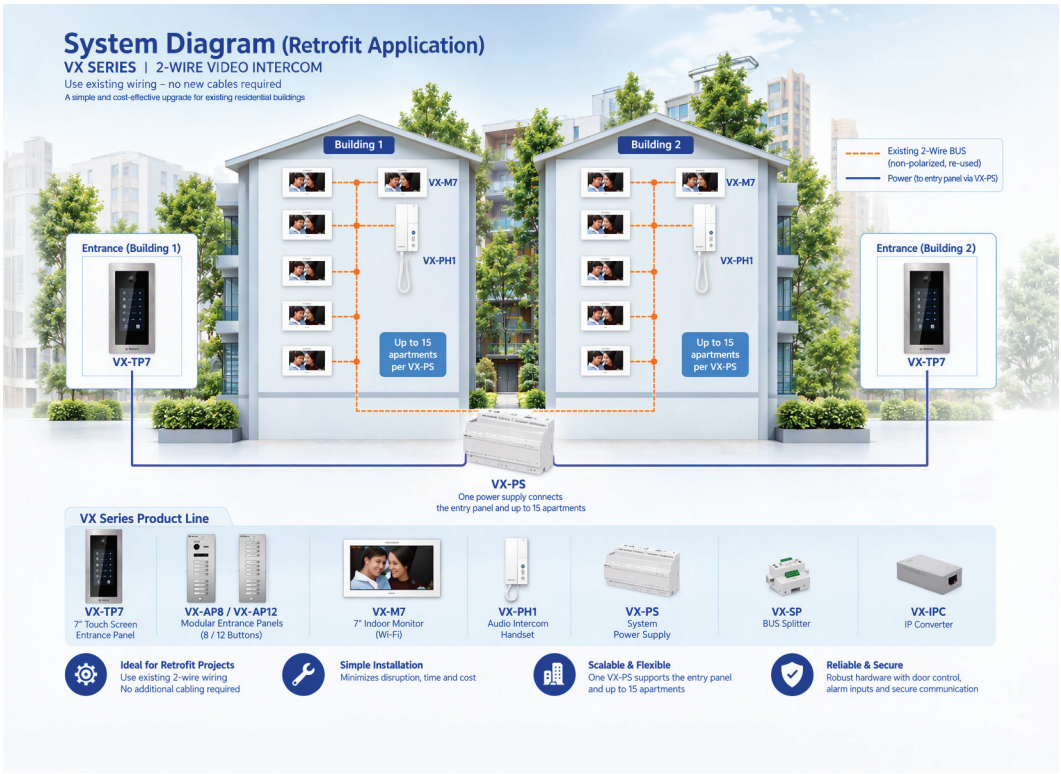
	VX-AP8	VX-AP12
Operating System	Embedded Linux OS	
Network Protocols	TCP/IP, SIP 2.0, RTSP	
Video Compression	H.264	
Image Sensor	2 MP CMOS	
Viewing Angle	150° horizontal	
Night Vision	White LED illumination	
BUS Input/Output	1	
Electric Lock Output	1x18V DC/350mA	
Automatic Door Output	1 x 30 VDC / 6 A or 250 VAC / 6 A	
Alarm Input	1	
Exit Button Input	1	
Call Buttons	8 buttons	12 buttons
Ingress Protection	IP54	IP54
Impact Resistance	IK07	IK07
Backlit Nameplates	Yes	Yes
Housing Material	Aluminum alloy	Aluminum alloy
Color	Silver / Black	Silver / Black
Installation	Surface & Flush mount	Surface & Flush mount
Wiring	2-wire, non-polarized	2-wire, non-polarized
Maximum Power Consumption	5.1 W	3.6 W
Power Supply	30 ± 2 VDC, supplied from BUS	30 ± 2 VDC, supplied from BUS
Operating Temperature	-20°C to 55°C (-4°F to 131°F)	-20°C to 55°C (-4°F to 131°F)
Weight	1.45 kg (3.20 lb)	1.20 kg (2.65 lb)
Dimensions (W x H x D)	134 x 353 x 45 mm	134 x 353 x 45 mm

Application

New Construction



Retrofit



System Capacity and Limitations

Category	Specifications
System	**VX-TP7**: Maximum 4 units per system **VX-AP8**: Maximum 4 units per system. Each VX-AP8 can be expanded with up to 2 VX-AP12 units. **VX-M7**: Maximum 128 units per system **VX-PH1**: Maximum 128 units per system **VX-M7 & VX-PH1**: Combined: Maximum 128 units total per system **VX-AP8 & VX-AP12**: Supports up to 32 apartments **VX-TP7**: Supports up to 128 apartments
Power Supply & Splitter	**VX-SP**: One splitter can support up to 4 connected devices. **VX-PS**: One power supply can support up to 4 VX-SP splitters, for a maximum of 16 connected devices.
Wiring Distance	**VX-PS to Entry Panel (VX-AP8/VX-AP12 or VX-TP7)**: Maximum 100 m (328 ft) **VX-PS to Indoor Unit (VX-M7 or VX-PH1)**: Maximum 100 m (328 ft) **VX-PS to VX-SP Splitter**: Maximum 30–50 m (98–164 ft) **VX-SP Splitter to Indoor Unit (VX-M7 or VX-PH1)**: Maximum 10 m (32.8 ft) **VX-SP Splitter to VX-SP Splitter**: Maximum 10 m (32.8 ft)

Ordering Information

Model	Description
VX-M7	7" Touch screen monitor
VX-PH1	Intercom handset
VX-AP8	8-Button apartment intercom panel
VX-AP12	12-Button apartment intercom panel
VX-TP7	7" Touch screen apartment intercom panel
VXPS	System power supply
VX-SP	Splitter
VX-IPC	IP converter

Mircom

Canada
25 Interchange Way Vaughan, ON L4K 5W3
Telephone: (905) 660-4655 | Fax: (905) 660-4113

U.S.A.
4575 Witmer Industrial Estates Niagara Falls, NY 14305
Toll Free: (888) 660-4655 | Fax Toll Free: (888) 660-4113

www.mircom.com

This document is provided by Mircom Technologies Ltd., MGC Systems Corp., or their affiliates, subsidiaries and brands, for convenience or marketing only and does not describe products or services technically. For technical information refer to technical manuals. We do not make representations or warranties regarding this information, including as to completeness or accuracy. We may change these contents at any time and reserve all rights in the contents, including copyrights, trademarks and other intellectual property. All other trademarks and registered trademarks are properties of their respective owners.