VDM-4010 / 4020

4K Over IP Matrix Encoder / Decoder



VDM-4010



VDM-4020

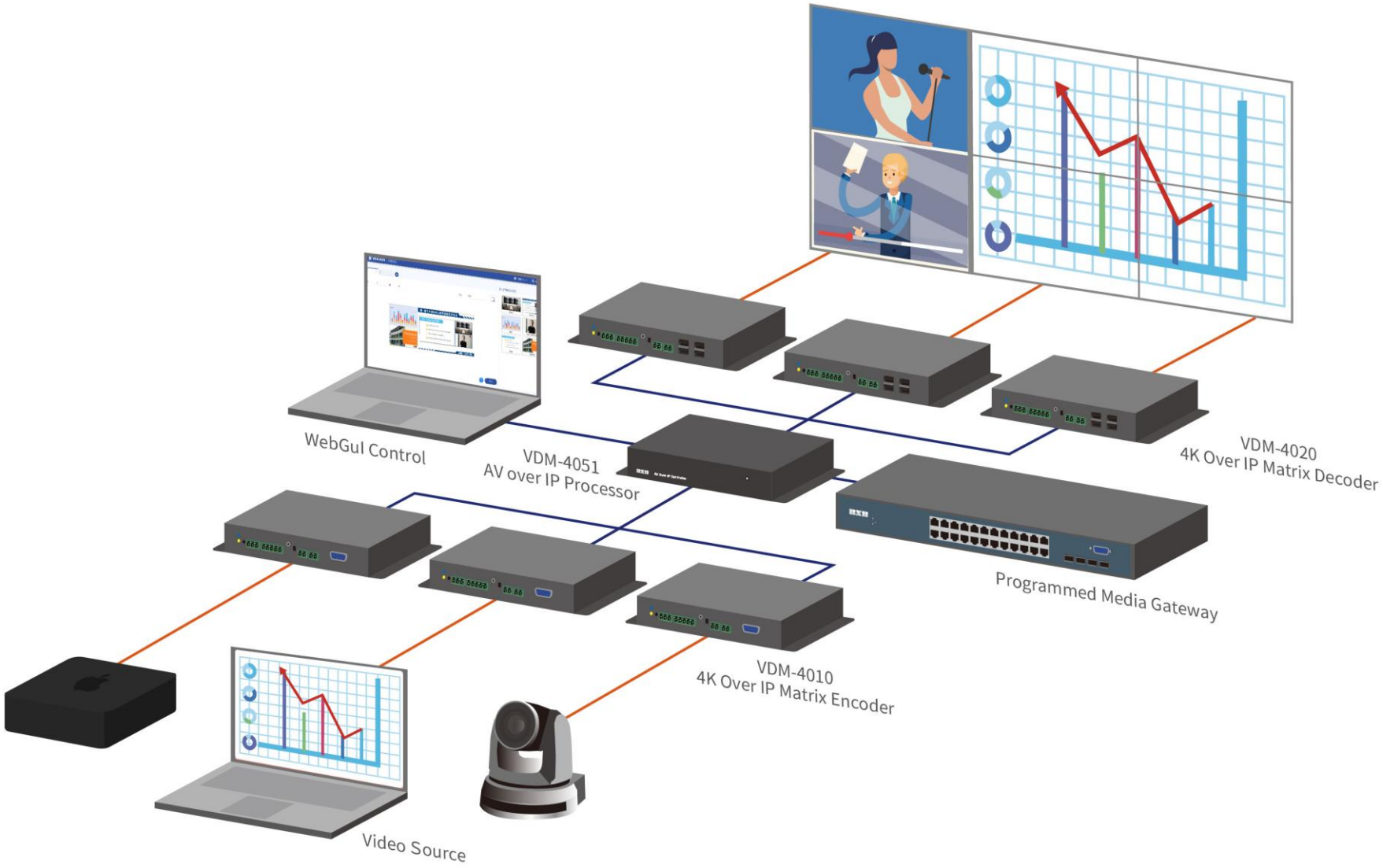
Product Features (1/2)

- Secure & High-Quality Transmission – Supports HDCP 1.4 encryption, ensuring content protection.
- 4K Ultra HD Performance – Delivers 4K2K@30Hz 4:2:0 resolution, meeting modern display demands.
- Long-Distance, Scalable Deployment – Built on standard TCP/IP architecture, enabling transmission of at least 100 meters per node, perfect for large-scale installations.
- Versatile Audio Integration – The VDM-4010 Encoder outputs HDMI 1.4 audio with an additional 3.5mm analog audio output for expanded connectivity.

Product Features (2/2)

- Multi-Input Flexibility – The VDM-4010 Encoder supports both VGA and HDMI inputs, featuring automatic detection, input locking, and DIP switch selection, making it adaptable to diverse signal sources.
- Advanced Scaling & Display Compatibility – The VDM-4020 Decoder comes with a built-in scaler, offering 10 fixed-resolution output modes to ensure seamless integration with various display devices.
- Enhanced Visual Applications – The VDM-4020 Decoder supports image overlay, allowing graphic information to be displayed on the receiving screen for improved visual communication.
- Seamless USB Signal Transmission – Supports USB pass-through for touchscreens, presentation remotes, USB drives, keyboards, and mice, ensuring smooth device integration.
- Remote Screen Monitoring & System Management – Enables real-time TCP/IP remote access to capture the current screen from the encoder or decoder, enhancing system monitoring and maintenance.
- Bi-Directional IR Control – Facilitates long-distance infrared remote control, providing enhanced AV system flexibility.
- Bi-Directional RS-232 Transmission – Supports RS-232 signal pass-through, allowing central control systems to send commands for managing both the encoder and decoder.
- Expanded System Integration & Control – Equipped with two 3.3V control contacts and one 3.3V detection function, offering greater flexibility for system expansion and automation.

Distributed AV Architecture



Specifications

Hardware Specifications

HDMI (Type A)	VDM-4010:IN x 1 VDM-4020:OUT x 1
VGA (D-SUB)	VDM-4010:IN x 1、OUT x 1；VDM-4020:OUT x 1
Audio	3.5mm OUT x 1, 3.5mm IN x1
LAN	RJ45 x 1
Fiber Uplink	SFP x 1
USB Control	VDM-4010:Type B x 1 VDM-4020:Type A x 4

Hardware Specifications

IR Receiver	LED x 1
IR Control	3.5mm x 1
RS-232 Control	3P Euro terminal
5V Output	2P Euro terminal
3.3V Control	3P Euro terminal
Function Key	VDM-4010: 2P Euro terminal x 2 VDM-4020: 2P Euro terminal, Dip Switch x 1
Power Input	DC 5~19V

Physical Properties

Dimensions (WHD)	238 x 26 x 105 mm
Weight	556.5g
Storage Temperature	–20°C~+60°C
Operation Temperature	0°C~+50°C

Power Supply

External Power Supply	AC 100~240V
Frequency	50~60Hz
Voltage	DC 12V
Max. Power of Transformer	12W

BXB
ADD 6F-1, No.288-5, Xinya Rd., Qianzhen Dist., Kaohsiung City 806604, Taiwan
TEL +886 7 9703838
FAX +886 7 9703883
MAIL bxb@bxb.tw
WEB www.bxbsystem.com