

4x4 Matrix with Video-Wall and Multi-Viewer

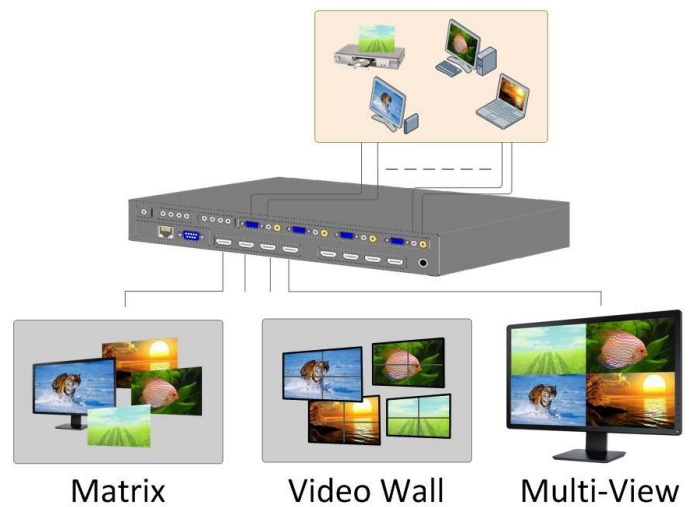
The HM-434 is a high-performance of HD/VGA/AV 4x4 matrix with seamless switching and Video-Wall + Multi-Viewer in one box.

It supports 4 x HD, 4 x VGA, 4 x CVBS, 4 x Audio input sources with 4 x HD outputs.

The built-in scaler engine provides 4 outputs either as a 2x2 Video-Wall, or as 2x2 Picture-Out-Picture or 1+3

Picture-In-Picture Multi-Viewer. The

HM-434 matrix switcher can be controlled via panel, IR, RS-232 and TCP/IP.



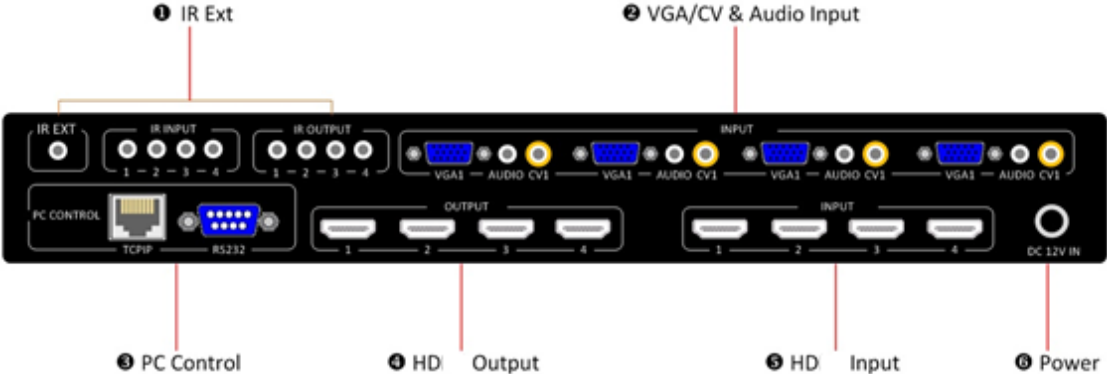
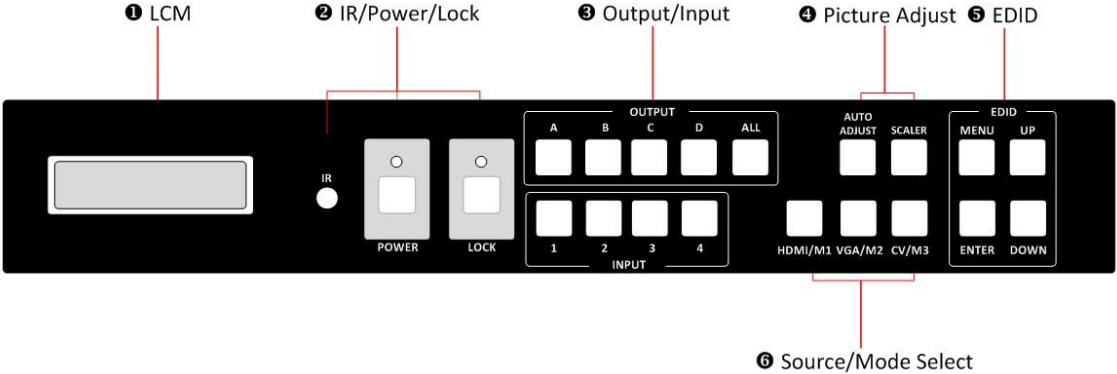
Features

- ❖ Supports 4 x HD, 4 x VGA, 4 x CVBS, 4 x Stereo Audio for the input sources.
- ❖ Supports 4 x HD Outputs.
- ❖ In Matrix mode: supports 4 x 4 fast switching, fade in/fade out.
- ❖ In Video-Wall mode: supports 2 x 2 Video-Wall with 4 selectable input sources.
- ❖ In Multi-Viewer mode: supports 2 x 2 PoP or 1 + 3 PiP.
- ❖ Supports HD 1.3, HDCP 1.3 and DVI 1.0
- ❖ Supports input resolutions:
 - HD: 480i to 1080p
 - VGA: 1920 x 1080P@60Hz, 1360 x 768P@60Hz, 1280 x 1024P@60Hz, 1024 x 768P@60Hz, 1280 x 720P@60Hz, 1280 x 768P@60Hz, 800 x 600@60Hz, 640 x 480P@60Hz
 - CVBS: Supports PAL, NTSC3.58, NTSC4.43, SECAM, PAL/M, PAL/N standard TV formats
- ❖ Supports output resolutions: 1920x1080P@60Hz via HD
- ❖ The RS-232 for the firmware upgrade.
- ❖ Supports RS-232, IR remote control, Panel buttons, and TCP/IP control.
- ❖ Supports smart EDID management.
- ❖ Picture Adjustment Settings.
- ❖ Automatically adjust the VGA input video.
- ❖ Supports power-off memory.

Specification

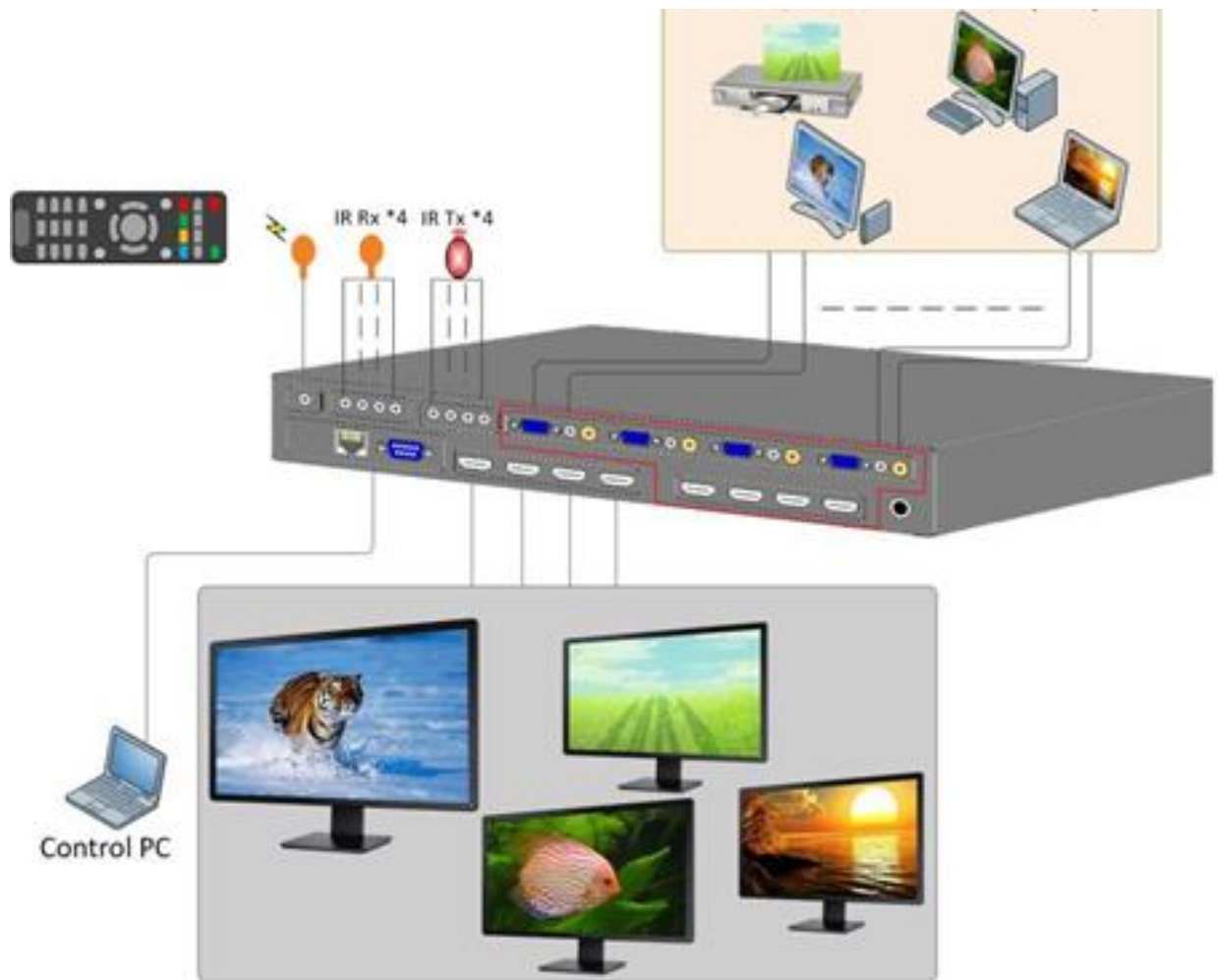
Model		HM-434
Connectors	HD In	4
	VGA In	4
	Composite Video In	4
	Audio In	4
	IR In	4
	HD Out	4
	IR Out	5
	RS-232	1
Video Bandwidth		1.65Gbps
Input Resolution		HD: 480i to 1080p @60Hz VGA: 1920 x 1080P@60Hz, 1360 x 768P@60Hz, 1280 x 1024P@60Hz, 1024 x 768P@60Hz, 1280 x 720P@60Hz, 1280 x 768P@60Hz, 800 x 600@60Hz, 640 x 480P@60Hz CVBS: PAL, NTSC3.58, NTSC4.43, SECAM, PAL/M+N
Output Resolution		1920x1080P@60Hz
HD Version		1.3
ESD Protection		Human Body model: ± 8 kV (air-gap discharge) ± 4 kV (contact discharge)
Power Supply		12/2.5A DC
Power Consumption		13.5W
Environment	Operating Temp.	0~40°C
	Storage Temp.	-20~60°C
	Humidity	20~90% Non-condensing
Physical Properties	Housing	Metal (Black)
	Weight	2380 g
	Dimensions	440 (L) x 200 (W) x 44.5 (H) mm

Front & Rear View

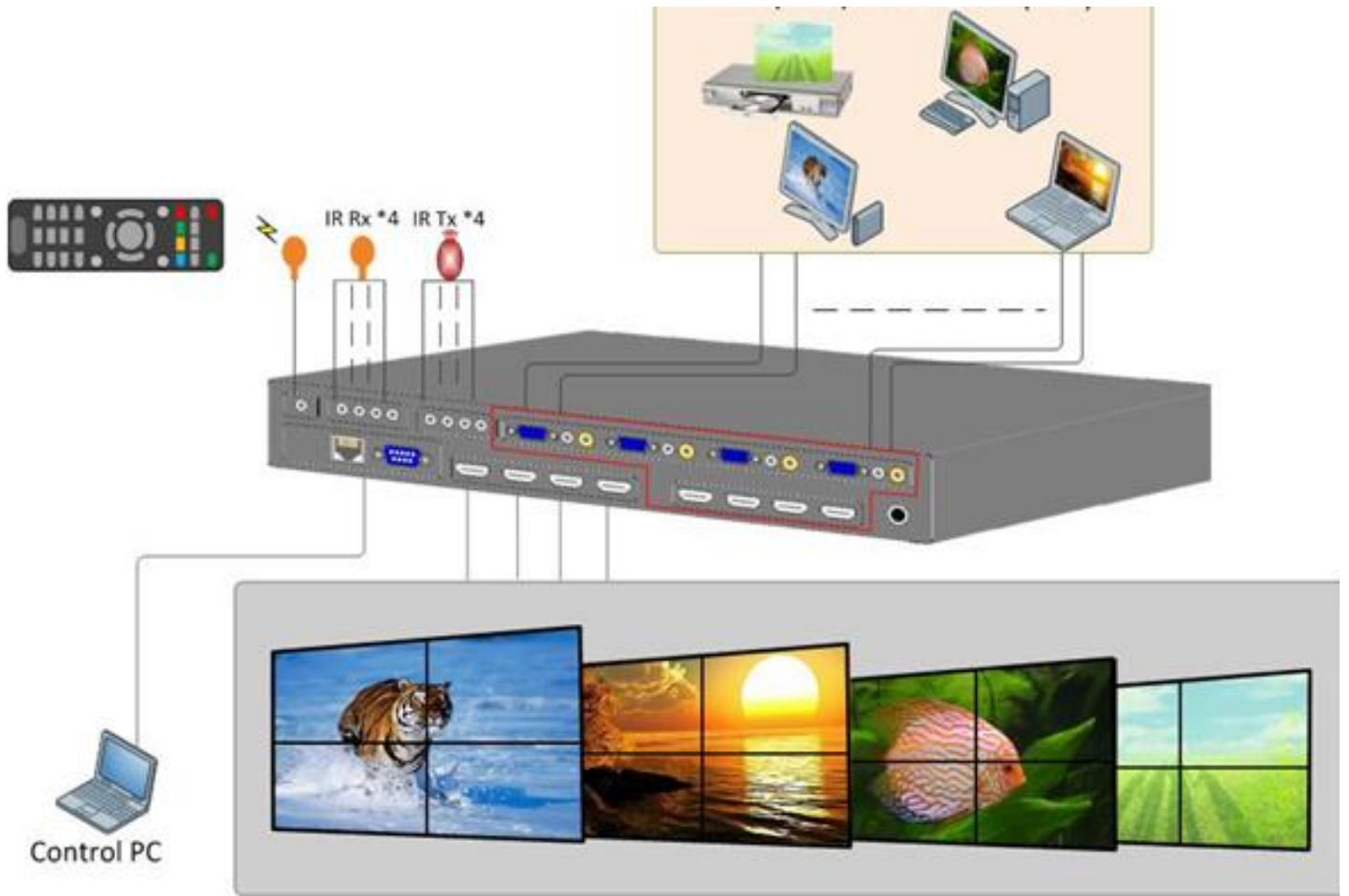


Diagram

Matrix Mode



Video Wall Mode



Multi-View Mode

