

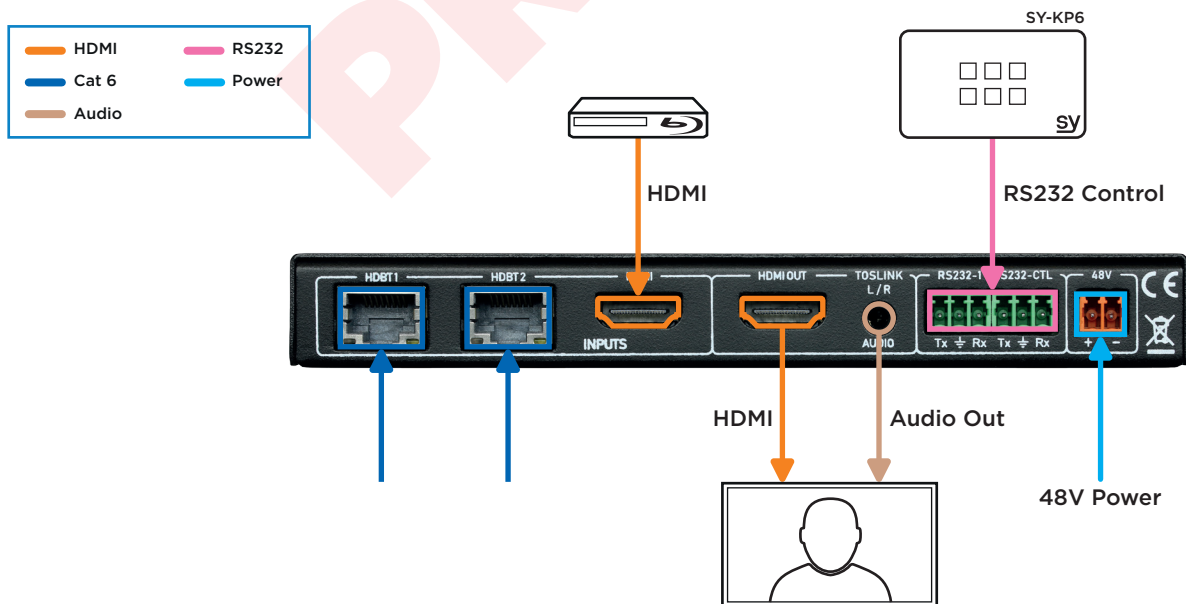
MFS31-H

The MFS-31H can switch between 2x HDBaseT and 1x HDMI video inputs, outputting to a single HDMI output. The remote transmitters can be powered by MFS31-H (iPoC) using a single Cat 6 cable up to 70m. The unit is feature packed with various other useful diagnostic parameters can be monitored and controlled.

FEATURES

- 2x HDBT inputs with iPoC - 70m @1080p or 40m @4K
- 1x HDMI 2.0 input - All HDMI resolutions to 4K60 4:4:4
- HDMI output - All HDMI resolutions to 4K60 4:4:4
- Input HDMI Scaler - 4K60 4:4:4 to 4K60 4:2:0/1080p
- Auto or Manual Switching Mode - Front panel or RS232
- 4K Down Scaler - Down-scaling 4K to 1080p
- Colour Space Scaling, Resolution Scaling, 'Auto Mode'
- Output HDCP Control - HDCP 2.2, HDCP 1.4, Cascade Mode
- EDID - including 720p 1080p, 4K and other 16:9, 4:3 and PC resolutions
- Test Pattern Generator - 12 Test Patterns, Checkerboard or Solid Colours @ 4K60, 4K30, 4K25, 4K24, 1080P60, 720P60
- Video Keep Alive - Can output a test pattern upon input is lost
- Audio De-embedder Stereo analogue or digital Toslink LPCM signals including 2.0/5.1/7.1 channel LPCM, Dolby Digital and DTS formats
- Control - RS232 from HDBT inputs', RS232 Pass Through port, RS232 Control port
- HPD The 'Hot Plug Detect Control'
- Full Diagnostics and Measurements:
 - HPD toggle control
 - HDCP control
 - Cat6 cable length
 - TX Supply & iPoC Voltage
 - HDBaseT Signal & Link Info & Status
 - Detailed Input Signal Info & Status
 - Temperature Diagnostics - reporting, and auto shut down
 - Display device information

CONNECTIVITY ILLUSTRATION



SPECIFICATIONS

PART NUMBER	SY-MFS31-H	
VIDEO RESOLUTIONS/FORMATS	<p>All VESA resolutions to 4096x2160p, and all 3D formats - Examples: 4096x2160p 24/25/30/50/60Hz 3840x2160p 24/25/30/50/60Hz 2560x1440 50/60Hz 2048x1152 50/60Hz 1920x1080p 24/25/30/50/60Hz 1920x1080i 50/60Hz 1280x720p 50/60Hz</p> <p>All PC resolution including 1920x1200 - Examples: 1920x1200 60Hz 1680x1050 60Hz 1600x1200 60Hz 1440x900 60Hz 1400x1050 60Hz 1366x768 60Hz 1360x768 60Hz 1280x1024 60Hz 1280x960 60Hz 1280x800 60Hz 1024x768 60Hz</p>	
BANDWIDTH	HDMI Input: 18 Gbps HDBT input: 10.2 Gbps HDMI output: 18 Gbps	
HDCP	Compatible with all versions up to 2.2v	
INPUTS	Video 2x HDBaseT 4K60 4:2:0, 4K30 4:4:4 inputs 1x HDMI 2.0 4K60 4:4:4 input	
OUTPUTS	Video 1x HDMI 4K60 4:4:4	Audio Analogue: L/R 3.5mm Stereo Jack: 20Hz - 20kHz, 1.5Vrms Max Mini-Toslink: Supports all de-embedded digital formats
CONTROL	RS232 for control of unit RS232 bypass terminals for control system	
RS232 PARAMETERS	57600 baud, 8 data bits, 1 stop bit, no parity	
POWER SUPPLY	48V DC 0.5A	
POWER CONSUMPTION	8W	
WEIGHT AND DIMENSIONS	Weight (net) 0.5kg	Size (WHD) 163 x 90 x 20mm (excluding connectors)
WHAT'S IN THE BOX	1x SY-MFS31H 2x 3 pin female captive screw connector 1x PSU 1x User Manual	

SY-MFS31-H Data Sheet 01. Details subject to change with no prior notice. ©SY Electronics 2020