



SDV-C2-TX

UHD+ 2×1 HDMI/DP to HDMI

AV over IP Transmitter







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Version 1.1

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.
- Please completely disconnect the power when the unit is not in use to avoid wasting electricity.

VERSION HISTORY

REV.	DATE	SUMMARY OF CHANGE
RDV1	2022/01/06	Preliminary release



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1. INTRODUCTION

This AV over IP Transmitter is designed for high-quality, IP routable, AV extension with minimum latency. By using a sophisticated ultra-light compression scheme (lossless for most content) it's a great solution for extending 4K audio/video streams (HDMI or DisplayPort) and data. Advanced HDMI content such as HDR (High Dynamic Range), 10-bit colour and multi-channel HD Bitstream audio can be transmitted in pass-through mode.

The use of high quality 10 Gigabit Ethernet ports and Cat.6A or better cable allows for point-to-point transmission of the video signal up to 100m. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, USB 2.0, and Ethernet.

When combined with the optional IP Master Controller or control software, the functionality of the transmitter expands exponentially. Multiple transmitters and receivers may be combined with one or more 10 Gigabit Ethernet switches and the units can be used together to form a distributed video matrix, a multiviewer system, or a video wall system adding to their flexibility in large event installations. Additionally, the specially engineered source preview functionality added to this hardware platform increases its utility when controlled remotely.

The integrated USB hub of each transmitter can function as a simple point to point KVM extension or freely routed between any two endpoints. This type of USB KVM routing flexibility enables a wide range of multi-user, control room, or on-demand installation scenarios.

The built-in EDID and HDCP management functionality enables the unit to fit into every situation. Basic configuration of the unit can be achieved via front panel buttons with an OSD (On-Screen Display). Advanced control requires the optional IP Master Controller, or control software, and a LAN connection.





2. APPLICATIONS

- W Video, Audio, LAN, IR, and USB 2.0 over Cat.6A extension
- Point-to-Point Secure Video Conferencing
- Hotel or convention center display
- Multi-monitor broadcast
- Distributed video matrix system
- Distributed video wall system
- Remote KVM system control

3. PACKAGE CONTENTS

- 1× UHD⁺ 2×1 HDMI/DP to HDMI AV over IP Transmitter
- **III** 1× 12V/3A DC Power Adapter
- **##** 1× Power Cord
- **##** 1× Operation Manual

4. SYSTEM REQUIREMENTS

- # HDMI or DisplayPort source equipment such as a media player, video game console, PC, or set-top box
- # HDMI receiving equipment such as an HDTV, monitor, or audio amplifier
- Analogue audio receiving equipment such as headphones, an audio amplifier, or powered speakers
- The use of Premium High Speed HDMI cables, and industry standard Cat.6A, or Cat.7 Ethernet cable is required.
- A 10 Gigabit Ethernet network switch with jumbo frame and IGMP snooping support is required for distributed video systems (Optional, required for multi-transmitter/receiver systems)
- IP Master Controller or PC control software to configure distributed matrix, video wall or multi-view systems (Optional)





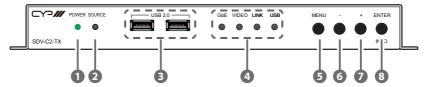
5. FEATURES

- ## HDMI 2.0 and DVI 1.0 compatible
- **##** HDCP 2.2 and HDCP 1.x compliant
- **##** 1 HDMI and 1 DisplayPort input
- **##** 1 HDMI and 1 Cat.6A output
- 1 analogue stereo input & 1 analogue stereo output
- 2 USB 2.0 (Type-A) ports and 1 USB 2.0 (Mini-B) port
- IP routable with minimum latency (requires optional IP Master Controller or control software)
- Ultra-light compression, lossless for most content
- Extension up to 100m in Point-to-Point mode (with Cat.6A cable)
- Supports independent breakaway A/V matrix switching with minimum latency, video wall generation, and multi-view compositing (requires optional IP Master Controller or control software)
- Supports pass-through of 10/12-bit HDR sources (Point-to-Point and Bypass modes only)
- Supports pass-through of audio formats including LPCM (up to 8 channels), Bitstream and HD Bitstream from HDMI or DP sources
- M Analogue stereo audio extension, insertion and extraction (insertion and extraction requires optional IP Master Controller or control software)
- W Video preview support when used with the IP Master Controller
- Unit can be powered directly by PoE when connected to a 10 Gigabit Ethernet (10GbE) switch that provides PoE (802.3at)
- Basic configuration via front panel buttons with an OSD
- Supports the use of an external control center (IP Master Controller) or control software to provide expanded functionality (Contact your authorised dealer for more information)



6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel



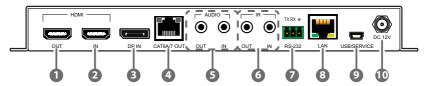
- 1 POWER LED: This LED will illuminate to indicate the unit is on and receiving power.
- **SOURCE LED:** The illumination of this LED indicates which AV input is currently selected to be the source transmitted as an AV over IP stream. Green indicates the local HDMI input, amber indicates the local DisplayPort input.
- USB 2.0 (Type-A) Ports: Connect directly to standard USB devices such as a mouse, keyboard or flash drive to extend their USB functionality to the currently active/routed USB Device Mode receiver.
- **A** STATUS LED BLOCK:
 - **GbE LED:** This LED will illuminate and blink to indicate a live and active connection on the local gigabit Ethernet port.
 - **VIDEO LED:** This LED indicates video streaming activity over the Cat.6A port. It will illuminate green when a video signal is being transmitted. When no video is active the LED will remain off, even if the streaming connection is valid.
 - **LINK LED:** This LED will illuminate and blink to indicate data transmission activity across the Cat.6A streaming connection.
 - **USB LED:** This LED will illuminate when the unit's USB ports have successfully paired with the USB ports on another unit. This LED will remain off if the unit's USB ports are not currently paired and in stand-by mode.
- MENU Button: Press to enter the OSD menu, or to back out from menu items.
- 6 (MINUS) Button: Press to move down or adjust selections within OSD menus. When not in a menu, press to toggle the input source for the Cat.6A output.





- + (PLUS) Button: Press to move up or adjust selections within OSD menus. When not in a menu, press to toggle the input source for the HDMI output.
- **8 ENTER/INFO Button:** When inside an OSD menu, press to confirm a selection or to go deeper into a menu item. When not in a menu, press to activate the Information OSD.

6.2 Rear Panel



- 1 HDMI OUT Port: Connect to an HDMI TV, monitor, or amplifier for digital video and audio output.
- **Description HDMI IN Port:** Connect to HDMI source equipment such as a media player, game console, or set-top box.
- 3 **DP IN Port:** Connect to DisplayPort source equipment such as a PC or laptop.
- CAT6A/7 Port: Connect directly to a compatible receiver for Point-to-Point extension, or to a 10 Gigabit Ethernet switch for distributed matrixing (requires IP Master Controller or control software), with a single Cat.6A/7 cable for extension of all data signals.

Note: If the connected network switch supports the IEEE 802.3at-2009 PoE (Power over Ethernet) standard, this unit can optionally be powered directly via this Ethernet port.

6 AUDIO PORTS:

- **OUT Port:** Connect to powered speakers or an amplifier for stereo analogue audio output.
- **IN Port:** Connect to the stereo analogue output of a device such as a CD player or PC.

Note: When units are connected directly in a Point-to-Point configuration, audio is routed directly from the IN Ports to the opposite end's OUT Ports. Free routing can only be configured by use of the optional IP Master Controller or control software.



6 IR PORTS:

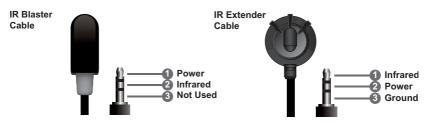
- **OUT Port:** Connect to an IR Blaster to broadcast IR signals from a connected receiver to devices within direct line-of sight of the IR Blaster.
- IN Port: Connect to an IR Extender to receive IR control signals and extend them to devices connected to a connected receiver. Ensure that the remote being used is within direct line-of-sight of the IR Extender.
 - Note: Currently, only 38KHz IR signal extension is supported.
- **RS-232 3-pin Terminal Block:** Connect directly to a PC, laptop or serial controllable device with a 3-pin adapter cable to extend the RS-232 signal between units.
- **8 LAN Port:** Connect to an Ethernet supporting device or to your local network as appropriate to extend the network between units.
- USB/SERVICE (Mini-B) Port: Connect directly to a standard USB host such as a PC or laptop to extend their USB functionality to all currently connected/routed USB devices.
 - Note: This port is only active when "USB Control Mode" is set to "Device". In a Point-to-Point extension configuration, only one of the two units should be set as a USB Device to avoid conflicts.
- **DC 12V Port:** Plug the 12V DC power adapter into this port and connect it to an AC wall outlet for power.

Note: Optional, not required if the unit is powered via PoE.





6.3 IR Cable Pinouts



6.4 RS-232 Pinout and Defaults

Serial Port Default Settings		
Baud Rate	57600	
Data Bits	8	
Parity Bits	None	
Stop Bits	1	
Flow Control	None	

3-pin Terminal Block



Note: The default Serial Port baud rate can only be changed by use of the optional IP Master Controller or control software.



6.5 OSD Menu

All functions of this unit can be controlled by using the OSD (On Screen Display) which is activated by pressing the MENU button on the front of the unit. Use the + (PLUS), - (MINUS), and ENTER buttons to navigate the OSD menu. Press the MENU button to back out from any menu item and then press it again to close the menu.

MAIN MENU
OSD
EDID
HDCP
Device Setting
Information
USB Information
Factory Setting

The individual functions of the OSD will be introduced in the following section. Items marked in **BOLD** are the factory default settings.





OSD		
2ND LEVEL	3RD LEVEL	
Display Information	ON	
	Off	
Information Timeout	Off	
	10~40 Sec (10 Sec)	
Menu Timeout	Off	
	10~40 Sec (10 Sec)	
Menu H Position	0~100 (10)	
Menu V Position	0~100 (10)	

- 1) **Display Information:** Enable or disable the Information OSD.
- **2) Information Timeout:** Set the display timeout for the Information OSD.
- 3) Menu Timeout: Set the display timeout for the OSD Menu.
- **4) Menu H Position:** Set the horizontal position of the OSD Menu.
- **5) Menu V Position:** Set the horizontal position of the OSD Menu.



EDID	
2ND LEVEL	3RD LEVEL
HDMI EDID	INTERNAL 1 (FHD 2CH)
	Internal 2 (FHD MCh)
	Internal 3 (UHD 2Ch)
	Internal 4 (UHD MCh)
	Internal 5 (UHD+ 2Ch)
	Internal 6 (UHD+ MCh)
	External A [HDMI Out]
	External B [VoIP Out]
DP EDID	INTERNAL 1 (FHD 2CH)
	Internal 2 (FHD MCh)
	Internal 3 (UHD 2Ch)
	Internal 4 (UHD MCh)
	Internal 5 (UHD+ 2Ch)
	Internal 6 (UHD+ MCh)
	External A [HDMI Out]
	External B [VoIP Out]

- 1) **HDMI EDID:** Select the EDID to send to the unit's HDMI input.
- 2) **DP EDID:** Select the EDID to send to the unit's DisplayPort input.



This unit provides the following 6 default EDIDs:

Unit's default EDIDs	
FHD 2CH	1920×1080p@60Hz (4.95Gbps), 8-bit colour, LPCM 2.0
FHD MCH	1920×1080p@60Hz (4.95Gbps), 8-bit colour, LPCM 7.1 & Bitstream
UHD 2CH	3840×2160p@30Hz (10.2Gbps), 12-bit Deep Colour, LPCM 2.0
UHD MCH	3840×2160p@30Hz (10.2Gbps), 12-bit Deep Colour, LPCM 7.1 & Bitstream
UHD+ 2CH	3840×2160p@60Hz (18Gbps), 12-bit Deep Colour, LPCM 2.0
UHD+ MCH	3840×2160p@60Hz (18Gbps), 12-bit Deep Colour, LPCM 7.1 & Bitstream

Note: In some rare cases it is possible for custom or external EDIDs to cause compatibility issues with certain sources. If this happens, it is recommended to switch to one of the 6 default EDIDs for maximum compatibility.



HDCP	
2ND LEVEL	3RD LEVEL
HDMI HDCP	Disable
	Follow out
	Follow in
	FOLLOW API
DP HDCP	Disable
	Follow out
	Follow in
	FOLLOW API

- 1) **HDMI HDCP:** Selects the HDCP logic to use with the HDMI input.
 - **Follow In:** The input supports up to the HDCP version required by the connected source.
 - **Follow Out:** The input supports up to the HDCP version supported by the connected display.
 - **Disable:** HDCP support is completely disabled.
 - **Follow API:** Uses the HDCP setting defined by the IP Master Controller or control software.

Note: In a Point-to-Point configuration, "Follow API" will behave the same as "Follow Out", if the API hasn't been manually redefined.

- 2) **DP HDCP:** Selects the HDCP logic to use with the DisplayPort input.
 - **Follow In:** The input supports up to the HDCP version required by the connected source.
 - **Follow Out:** The input supports up to the HDCP version supported by the connected display.
 - **Disable:** HDCP support is completely disabled.
 - **Follow API:** Uses the HDCP setting defined by the IP Master Controller or control software.

Note: In a Point-to-Point configuration, "Follow API" will behave the same as "Follow Out", if the API hasn't been manually redefined.



DEVICE SETTING	
2ND LEVEL	3RD LEVEL
USB Control Mode	Host
	DEVICE
USB Virtual Hub	OFF
(USB Device Mode only)	On
HDMI Out Source	INPUT 1 (HDMI)
	Input 2 (DP)
VoIP Out Source	INPUT 1 (HDMI)
	Input 2 (DP)
HDMI Out Auto Mode	Off
	AUTO SWITCH
VoIP Out Auto Mode	Off
	AUTO SWITCH

- 1) **USB Control Mode:** Enable or disable the USB 2.0 (Mini-B) port for connection to USB host devices such as a PC or laptop. Selecting "Device" enables the USB 2.0 (Mini-B) port. Selecting "Host" disables the USB 2.0 (Mini-B) port.
 - Note: In a Point-to-Point extension configuration, only one of the two units should be set to "Device" to avoid conflicts.
- 2) USB Virtual Hub: Enables or disables the "simultaneous connection" USB mode which allows the PC/Laptop connected to this unit to be paired with the USB devices on up to 7 "Host" mode units.
 - Note: Only available when USB Control Mode is set to "Device". USB routing can only be configured by use of the optional IP Master Controller or control software and is not valid in Point-to-Point configurations.
- **3) HDMI Out Source:** Select the input source to display on the HDMI output.
- 4) VOIP Out Source: Select the input source to transmit as an AV over IP stream
- 5) HDMI Out Auto Mode: Enable or disable the HDMI output's automatic



- source selection mode. When enabled, the unit will automatically switch the input routed to the local HDMI output whenever a new source is detected or if the current source is lost.
- 6) VOIP Out Auto Mode: Enable or disable the AVoIP streaming output's automatic source selection mode. When enabled, the unit will automatically switch the input routed to the AVoIP output whenever a new source is detected or if the current source is lost.

INFORMATION		
2ND LEVEL	3RD LEVEL	
Resolution	[Current Source Resolution]	
Status	TRANSMITTER	
FW Version	[Current Firmware Version]	
IP	[Current IP Address]	
MAC	[Unit's MAC Address]	
SN	[Unit's Serial Number]	

1) Information: Shows details of the unit's current status including detected source resolution, streaming direction status, firmware version, IP address, MAC address, and serial number.

USB INFORMATION		
2ND LEVEL	3RD LEVEL	
IP Mode	[Unit's USB IP Mode]	
IP	[Unit's USB IP Address]	
MAC	[Unit's USB MAC Address]	
Pair MAC 1~7	[USB Mac Addresses of Connected USB Devices]	

1) **USB Information:** Shows status details of the unit's USB mode and current USB connections.



FACTORY SETTING	
2ND LEVEL	3RD LEVEL
Are you sure?	NO
	Yes

1) **Factory Setting:** Selecting YES will reset the unit's settings back to their factory defaults.

6.6 Basic AV Extension

6.6.1 Point-to-Point (One Way)

The most basic extension configuration available is a point-to-point system with a single transmitter connected directly to a single receiver. In this configuration the HDMI/DP input on the transmitter side is transmitted to the connected receiver side without modification to the audio or video format. The analogue stereo audio input on the transmitter transfers audio directly to the analogue stereo audio output on the receiver. The LAN, RS-232 and IR ports form direct connections between transmitter and receiver as well. This configuration is ideal for basic video extension as well as remote KVM applications.



Note: This configuration does not use or require an external control center such as the IP Master Controller to function. No audio insertion/extraction is performed in this configuration.



6.7 Advanced AV Extension

6.7.1 IP Master Controller

The IP Master Controller is a hardware solution designed to provide a unified and easy method to access and control all of the transmitters and receivers in a system. It provides a user-friendly, and operating system agnostic, web-based interface allowing easy control over all of the most critical functions within a distribution system.

The IP Master Controller hardware is an optional component and is not included with individual transmitter, receiver, or transceiver units. Please contact your authorised dealer for more information.





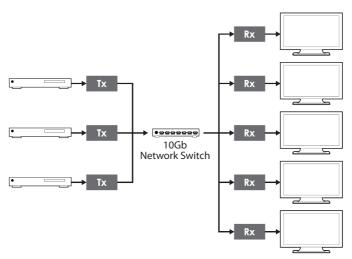
Note: Interface images are for example only and may differ from the delivered product. Full operational documentation can be found within the IP Master Controller's manual.



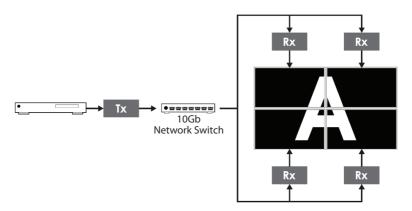
6.7.2 Configuration Examples

When combined with the IP Master Controller, and a 10 Gigabit Ethernet switch, this extension system gains a large number of additional configuration options including: multi-in/multi-out matrix switching with breakaway audio, video wall creation, and a multiview output mode. Audio extraction and embedding is fully controllable. Additionally, audio, USB, IR, and RS-232 routing can be fully controlled.

(1) Matrix Configuration

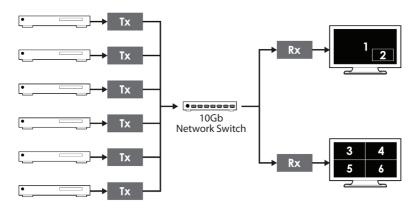


(2) Video Wall Configuration

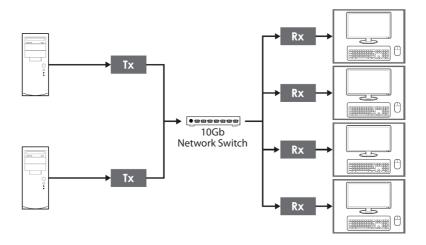




(3) Multiview (PiP/PoP/Quad/Etc.) Configuration

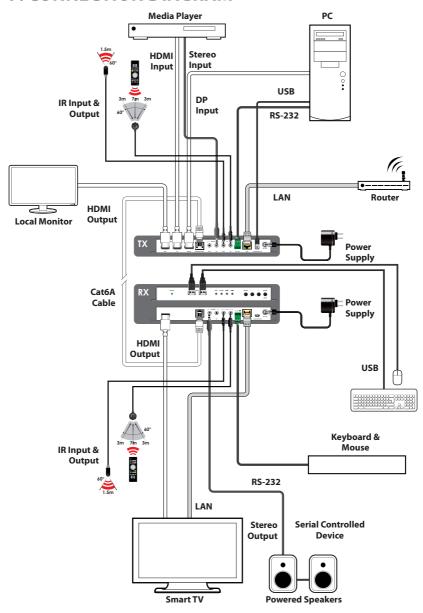


(4) KVM Switch Configuration





7. CONNECTION DIAGRAM





8. SPECIFICATIONS

8.1 Technical Specifications

HDMI Bandwidth 18Gbps
DisplayPort Bandwidth 21.6Gbps
CAT6A/7 Bandwidth 10Gbps

Input Ports 1×HDMI (Type-A)

 $1 \times Display Port$

1×Stereo Audio (3.5mm)

Output Ports 1×10GbE LAN (RJ-45)

1×HDMI (Type-A)

1×Stereo Audio (3.5mm)

Pass-through Ports 1×IR Extender (3.5mm)

1×IR Blaster (3.5mm)

1×RS-232 (3-pin Terminal Block)

2×USB (Type-A) 1×LAN (RJ-45)

Pass-through/Service Port 1×USB 2.0 (Mini-B)

IR Frequency 38kHz

Baud Rate 57600 (Default), up to 115200bps

Power Supply PoE (802.3at) or 12V/3A DC

(US/EU standards, CE/FCC/UL certified)

ESD Protection (HBM) ±8kV (Air Discharge)

±4kV (Contact Discharge)

Dimensions (W×H×D) 215mm×25mm×108mm [Case Only]

215mm×25mm×116.7mm [All Inclusive]

Weight 916g

Chassis Material Metal (Steel)

Chassis Colour Black

Operating Temperature $0^{\circ}\text{C} - 40^{\circ}\text{C}/32^{\circ}\text{F} - 104^{\circ}\text{F}$ **Storage Temperature** $-20^{\circ}\text{C} - 60^{\circ}\text{C}/-4^{\circ}\text{F} - 140^{\circ}\text{F}$

Relative Humidity 20 – 90% RH (Non-condensing)

Power Consumption 18.7W



8.2 Video Specifications

	Input		Output	
Supported Resolutions (Hz)	HDMI	DP	нрмі	10GbE
720×400p@70/85	✓	✓	✓	✓
640×480p@60/72/75/85	✓	✓	✓	✓
720×480i@60	✓	✓	✓	✓
720×480p@60	✓	✓	✓	✓
720×576i@50	✓	✓	✓	✓
720×576p@50	✓	✓	✓	✓
800×600p@56/60/72/75/85	✓	✓	✓	✓
848×480p@60	✓	✓	✓	✓
1024×768p@60/70/75/85	✓	✓	✓	✓
1152×864p@75	✓	✓	✓	✓
1280×720p@50/60	✓	✓	✓	✓
1280×768p@60/75/85	✓	✓	✓	✓
1280×800p@60/75/85	✓	✓	✓	✓
1280×960p@60/85	✓	✓	✓	✓
1280×1024p@60/75/85	✓	✓	✓	✓
1360×768p@60	✓	✓	✓	✓
1366×768p@60	✓	✓	✓	✓
1400×1050p@60	✓	✓	✓	✓
1440×900p@60/75	✓	✓	✓	✓
1600×900p@60RB	✓	✓	✓	✓
1600×1200p@60	✓	✓	✓	✓
1680×1050p@60	✓	✓	✓	✓
1920×1080i@50/60	✓	✓	✓	✓



	Input		Output	
Supported Resolutions (Hz)	номі	DP	HDMI	10GbE
1920×1080p@24/25/30	✓	✓	✓	✓
1920×1080p@50/60	✓	✓	✓	✓
1920×1200p@60RB	✓	✓	✓	✓
2560×1440p@60RB	✓	✓	✓	✓
2560×1600p@60RB	✓	✓	✓	✓
2048×1080p@24/25/30	✓	✓	✓	✓
2048×1080p@50/60	✓	✓	✓	✓
3840×2160p@24/25/30	✓	✓	✓	✓
3840×2160p@50/60 (4:2:0)	✓	✓	✓	✓
3840×2160p@24, HDR10	✓	✓	✓	✓
3840×2160p@50/60 (4:2:0), HDR10	✓	✓	✓	✓
3840×2160p@50/60	✓	✓	✓	✓
4096×2160p@24/25/30	✓	✓	✓	✓
4096×2160p@50/60 (4:2:0)	✓	✓	✓	✓
4096×2160p@24, HDR10	✓	✓	✓	✓
4096×2160p@50/60 (4:2:0), HDR10	✓	✓	✓	✓
4096×2160p@50/60	✓	✓	✓	✓



8.3 Audio Specifications

8.3.1 Digital Audio

HDMI Input / Output				
LPCM				
Max Channels	8 Channels			
Sampling Rate (kHz)	32, 44.1, 48			
Bitstream				
Supported Formats	Standard & High-Definition			

DisplayPort Input			
LPCM			
Max Channels	8 Channels		
Sampling Rate (kHz)	32, 44.1, 48		
Bitstream			
Supported Formats	Standard & High-Definition		

10GbE Output			
LPCM			
Max Channels	8 Channels		
Sampling Rate (kHz) 32, 44.1, 48			
Bitstream			
Supported Formats	Standard & High-Definition		



8.3.2 Analogue Audio

Analogue Input	
Max Audio Level	2Vrms
Impedance	10kΩ
Туре	Unbalanced

Analogue Output			
Max Audio Level	2Vrms		
THD+N	< -80dB@0dBFS 1kHz (A-wt)		
SNR	> 80dB@0dBFS		
Frequency Response	< ±1dB@20Hz~20kHz		
Crosstalk	<-80dB@10kHz		
Impedance	470Ω		
Туре	Unbalanced		



8.4 Cable Specifications

	1080p		4K30	4K60
Cable Length	8-bit	12-bit	(4:4:4) 8-bit	(4:4:4) 8-bit
High Speed HDMI Cable				
HDMI Input	15m	10m	5m	3m
HDMI Output	15m	10m	5m	3m
DisplayPort Cable				
DisplayPort Input	15m 10m 2m			m
Ethernet Cable				
Cat.6A/7	100m			

Bandwidth Category Examples:

1080p (FHD Video)

- Up to 1080p@60Hz, 12-bit colour
- Data rates lower than 5.3Gbps or below 225MHz TMDS clock

4K30 (4K UHD Video)

- 4K@24/25/30Hz & 4K@50/60Hz (4:2:0), 8-bit colour
- Data rates higher than 5.3Gbps or above 225MHz TMDS clock but below 10.2Gbps

4K60 (4K UHD⁺ Video)

- 4K@50/60Hz (4:4:4, 8-bit)
- 4K@50/60Hz (4:2:0, 10-bit HDR)
- Data rates higher than 10.2Gbps



9. ACRONYMS

ACRONYM	COMPLETE TERM
10GbE	10 Gigabit Ethernet
ADC	Analogue-to-Digital Converter
AVoIP	Audio/Video over IP
Cat.5e	Enhanced Category 5 cable
Cat.6	Category 6 cable
Cat.6A	Augmented Category 6 cable
Cat.7	Category 7 cable
DAC	Digital-to-Analogue Converter
dB	Decibel
DHCP	Dynamic Host Configuration Protocol
DP	DisplayPort
DVI	Digital Visual Interface
EDID	Extended Display Identification Data
GbE	Gigabit Ethernet
Gbps	Gigabits per second
GUI	Graphical User Interface
HDCP	High-bandwidth Digital Content Protection
номі	High-Definition Multimedia Interface
HDR	High Dynamic Range
HID	Human Interface Device
IEEE	Institute of Electrical and Electronics Engineers
IGMP	Internet Group Management Protocol
IP	Internet Protocol
IR	Infrared



ACRONYM	COMPLETE TERM
kHz	Kilohertz
KVM	Keyboard/Video/Mouse
LAN	Local Area Network
LED	Light-Emitting Diode
LPCM	Linear Pulse-Code Modulation
MAC	Media Access Control
MHz	Megahertz
OSD	On-Screen Display
PiP	Picture in Picture
РоР	Picture outside of Picture
SDVoE	Software Defined Video over Ethernet
SNR	Signal-to-Noise Ratio
ТСР	Transmission Control Protocol
THD+N	Total Harmonic Distortion plus Noise
TMDS	Transition-Minimised Differential Signaling
4K UHD	4K Ultra-High-Definition (10.2Gbps max)
4K UHD⁺	4K Ultra-High-Definition (18Gbps max)
USB	Universal Serial Bus
VGA	Video Graphics Array
VoIP	Video over IP
WUXGA (RB)	Widescreen Ultra Extended Graphics Array (Reduced Blanking)
XGA	Extended Graphics Array
Ω	Ohm



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