

LOOX



LOOX CATALOGO
UHD - EXTENDER / MATRIX
STREAMER

Matrix Extender HD

2024 Q2

INDICE

P4

HDMI / USB Multistreamer

P6

HDMI Extender WIRELESS

P7

4K HDMI Extender RJ45, VGA, USB

P12

HDMI, TCP/IP Extender, Punto-Punto, Punto-Multipunto Point

P14

HDMI Splitter + RJ45 Extender, IR Bidirezionale

P15

4K HDMI, TCP/IP Extender, Videowall, Soluzioni in cascata

P16

4K/2K HDMI Splitter, RJ45 Extender

P20

4K/2K HDMI Matrix HDBaseT, Controllo IR

P21

4K/2K HDMI Matrix, Controllo IR

P27

HDMI Soluzioni

GUIDA ALLE RISOLUZIONI

- | | |
|--|---|
| • QVGA: 320 X 240 PIXEL | • QHD: 2560 X 1440 PIXEL (DOPPIO DEL FULL HD) |
| • HVGA: 480 X 320 PIXEL | • WQXGA: 2560 X 1600 PIXEL (RISOLUZIONE IN 16:10, PER TABLET) |
| • WVGA: 800 X 480 PIXEL | • UHD: 3840 X 2160 PIXEL (ULTRA HD CIOÈ 4K) |
| • FWVGA: 854 X 480 PIXEL | • WQUXGA: 3840 X 2400 PIXEL (4K IN 16:10 PER TABLET) |
| • QHD: 960 X 540 PIXEL (1/4 DEL FULL HD) | • 4K CINEMA: 4096 X 2560 PIXEL (4K PER PROIETTORI) |
| • WSVGA: 1024 X 600 PIXEL | • UHD+: 5120 X 2880 PIXEL (IL FAMOSO 5K DEL NUOVO APPLE IMAC) |
| • XGA: 1024 X 768 PIXEL | • FUHD: 7680 X 4320 PIXEL (IL FUTURO 8K) |
| • HD / WXGA: 1280 X 720 PIXEL (HD READY) | • QUHD: 15360 X 8640 PIXEL (LA RISOLUZIONE PIÙ ALTA FINORA TESTATA, IDENTIFICATA COME 16K) |
| • WXGA: 1280 X 800 PIXEL (16:10, PER TABLET) | |
| • FHD: 1920 X 1080 PIXEL (L'ALTA DEFINIZIONE, CONOSCIUTA ANCHE COME FULLHD) | |
| • WUXGA: 1920 X 1200 PIXEL (VARIANTE IN 16:10 DEL FHD, USATA SUI TABLET) | |

LOHDSTR3 - Strimmy

H.265 H.264 1080p 1080i HDMI USB



SPECIFICA	LOHDSTR3
Segnale	
HDMI	HDMI 1.4a / HDCP 1.4
Risoluzione	1080p/1080i/720p/480p/576p/480i/576i (max 60Hz), compatibile con risoluzione VESA
Audio analogico	Ingresso (1,5 Vpp)
Codifica	
Video	H.265 / H.264 high profile (@level 4.1)
Audio	MP3, AAC-LC, G.711 (u-Law/a-Law)
Ritardo	≤ 70 ms
Video bitrate	512 Kbps ÷ 15 Mbps
Audio bitrate	AAC: 16 ÷ 256Kbps / G.711: 64Kbps
Trasmissione	
Protocolli	RTP/RTSP, RTMP, HLS, MPEG-TS Push and HTTP
Protocollo controllo	TCP
Protocollo network	HTTP / Onvif
Protocollo PTZ	Pelco-D / Sony Visca (through RS485 extend adapter)
Generico	
Ingresso/uscita video	1x HDMI / 1x HDMI loop out
Video source	HDMI
Ingresso/uscita audio	2x jack 3,5mm
Porta LAN Ethernet	1x RJ-45, 10/100/1000Mbps
USB	1x USB 2.0
Alimentazione	12 Vdc, 2 A
Consumo	≤ 3W
Temperatura operativa	-20° ÷ +75° C

LOHDSRT3 (Strimmy) è un apparato completamente configurabile da interfaccia web, che può essere utilizzato per hotel, ristoranti, conferenze, palestre, centri commerciali, ospedali, negozi, supermercati, strutture balneari, chalet...



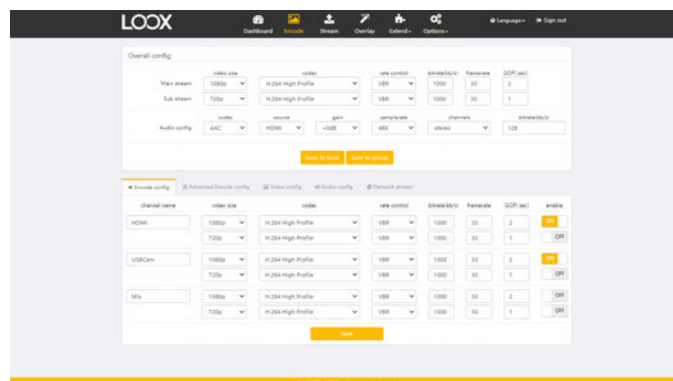
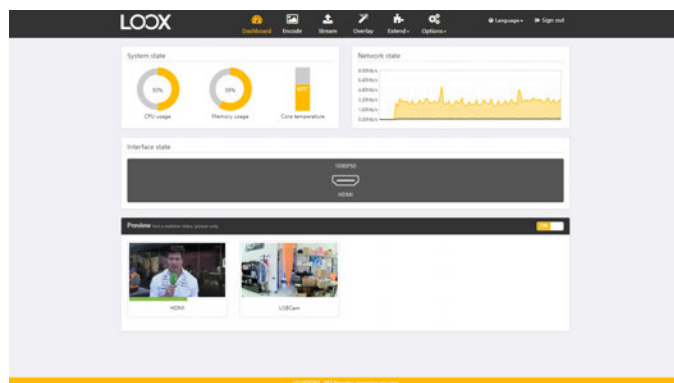
LOHDSTR3

- Ingresso video: un canale HDMI ed una porta USB
- Risoluzione video fino a Full HD 1080p@60 fps
- Possibilità di gestire fino a 4 gruppi di streaming TS over IP in uscita
- Supporta codec video H.265 / H.264 e la compressione audio MP3 e AAC
- Modalità bitrate: CBR/VBR 16Kbit/s ÷ 12Mbit/s
- Impostazioni di risoluzione dello streaming configurabili
- Sono gestite le impostazioni del frame rate GOP
- Possibilità di impostare i parametri dell'immagine
- Inserimento in sovrainpressione al video d'ingresso di loghi e scritte scorrevoli
- Uscita video: flussi di uscita multipli per supportare broadcast, VOD, IPTV e OTT, dispositivi mobili / web, set top box
- Modalità di uscita audio commutabile: sinistra, destra e stereo / Guadagno audio regolabile
- Configurabile in Multi-bitrate, Multi-risoluzione, Multi-protocollo
- Supporta protocolli HLS, RTSP, HTTP, UDP e RTMP
- Compatibile con il protocollo video di rete HDCP e ONVIF
- Qualsiasi browser iOS (iphone, ipad, MacBook ecc.) è in grado di ricevere flussi da **Strimmy** tramite il protocollo HLS senza installare alcun lettore software
- Qualsiasi dispositivo/decoder è in grado di ricevere flussi da **Strimmy** direttamente tramite protocollo RTSP con l'utilizzo di lettori software (come ad esempio VLC)
- Il sistema supporta Windows, Windows Server, Linux
- Supporta l'architettura basata sul flusso standard di Microsoft (architettura WDM), supporta Microsoft WMENCODER, compatibile con l'architettura software Windows VFW e la modalità WDM
- Totale gestione del dispositivo da interfaccia web
- Modalità full-duplex 1000Mbps

Fornito in kit comprendente **LOHDSTR3** e **WLAERIALD4X** già configurati e pronti all'uso.

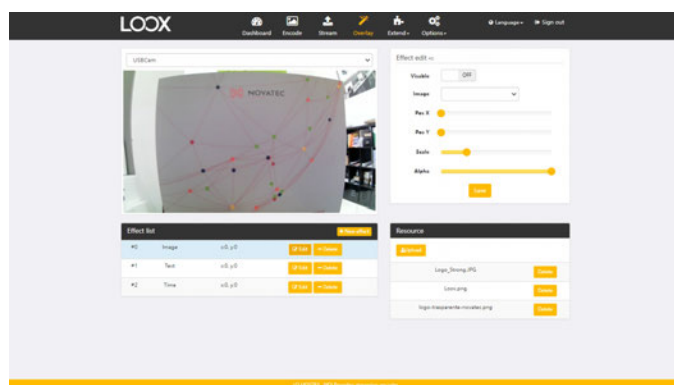
LOHDSTR3 - Strimmy

H.265 H.264 1080p 1080i HDMI USB



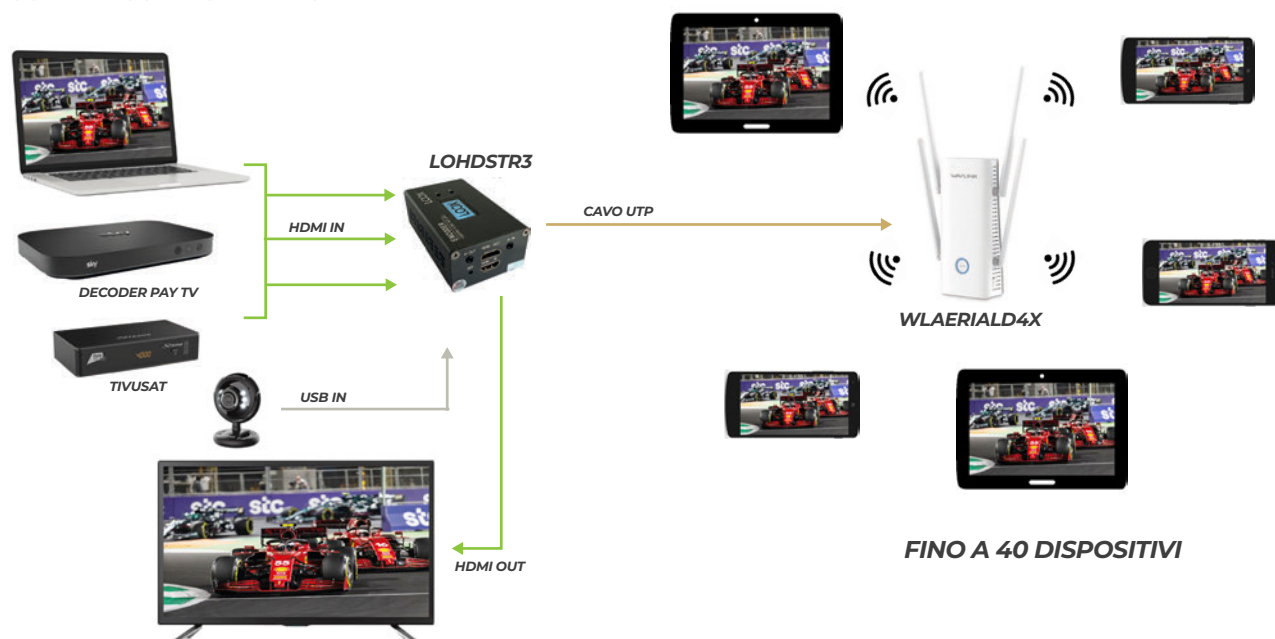
LOHDSTR3

Fornito di interfaccia web per configurare tutte le impostazioni e controllare le numerose opzioni rese disponibili: viene utilizzata anche per la personalizzazione del segnale presente all'ingresso HDMI con immagini (ad esempio loghi), scritte (anche scorrevoli e colorate) o figure geometriche. Con l'access point **WLAERIALD4X** (che è fornito già configurato nel kit proposto) quanto elaborato viene poi distribuito ai dispositivi connessi alla sua Wi-Fi.



LOHDSTR3 (STRIMMY)

SCHEMA COLLEGAMENTO



LOHD11W

1080p

WI-FI

HDCP



SPECIFICA	LOHD11W
Connector	HDMI-A
Supported video format	1080p@60 Hz
Output Video	HDMI 1.3 - HDCP 1.2
Max pixel bandwidth	165 MHz, digital signals
Interface bandwidth	6.75 Gbps HDMI total bandwidth
Wi-Fi Dual Band	2.4 / 5.0 Ghz
Maximum Transmission Distance	30 m max (10 m recommended)
Power Supply	5 Vdc - 1 A max
Power dissipation	2.0 W max
Dimensions (L×W×H)	45 x 20 x 10 mm
Operating Humidity Range	5 ÷ 90 % RH (no condensation)
Operating Temperature Range	-5 ÷ +70° C
Weight	~ 70 g (Pairs)

Main characters:

- Bandwidth up to 6.75 Gbps, resolution up to 1920 x 1080@60 Hz
- Transmit up to 30 m under 1080p (10 m recommended)
- HDMI 1.3 / HDCP 1.2 Compliant
- With 1x HDMI + 1x USB in Transmitter and 1x HDMI + 1x USB in Receiver
- Powered by USB port or power supply 5 Vdc - 1A
- Built-in automatic balance system, the picture is fluent, clear and stable
- Simple and convenient installation, plug and play, do not need to set up or install apps or use internet
- Suitable for conference, education, home entertainment, gaming, etc.



LOHD11W

This HDMI extender built-in wireless transmission protocol, it can wireless transmit HD audio and video signal, at the same time. The equipment has an excellent image processing and transmission capacity, makes signal transmission more smooth and steady; is a kind of economic and efficient way of HDMI signal extension. Support 1080p@60 Hz mirror mode and extend mode.



Wide Range of Applications

Wirelessly project computers, cameras, TV boxes, and game consoles to high-definition TVs or projectors.



* Note: 30m is the maximal transmission distance in open experimental space without any obstructions.

LOHD95UHD

HDBT

4K

3D

IR

HDCP



SAT

DTT

TVCC

4K
UHD

SPECIFICA	LOHD95UHD
Connectors on Transmitter	HDMI Receptacle x 2 (1x HDMI input, 1x HDMI loop output) 1x Power DC Receptacle 1x IR Receptacle (for TX)
Connectors on Receiver	1x HDMI Receptacle 1x IR Receptacle (for RX)
Resolution outputs	4k@60 Hz YUV4:4:4 / 4k@30 Hz / 1080p / 1080i 720p / 576p / 480p
Audio format supported	DTS-HD Master Audio, Dolby True HD, LPCM71, PCM etc.
Output Video Signal	HDMI
Transmission Distance	Up to 50 m under 4K@60 Hz YUV4:4:4, 60 m under 4K@30 Hz / 1080p
Power supply	12 Vdc - 1.0 A
Power consumption	3.6 W max
Dimension (L×W×H)	82 × 46 × 24 mm
Operating Temperature Range	-5 ÷ +70° C
Operating Humidity Range	5 ÷ 90 % RH (No Condensation)
Net Weight	~ 300 g

LOHD95UHD

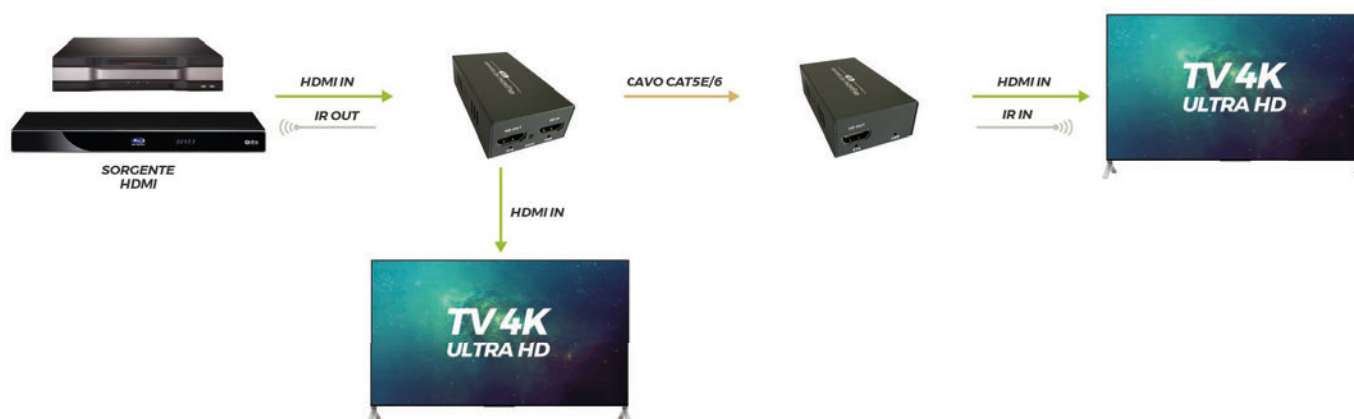
- HDMI 2.0 Extender, HDR10, POC, HDCP 2.2 / 1.4 Compliant
- Bandwidth 18 Gbps
- Transmit up to 50 m under 4K@60Hz YUV4:4:4, 60m under 4K@30 Hz/1080p over single Cat. 5e/6 cable
- 1x HDMI loop out on transmitter
- Support EDID management
- Support wide band IR Pass through (20 ÷ 60 KHz)
- HDMI audio sampling rate up to 192 Khz, max LPCM 7.1 channel
- Max pixel clock 600 Mhz
- Support Dolby True HD, PCM and DTS-HD master audio



COMPATIBILE!

LOHD95UHD

ESTENSIONE 4K (60M) + IR TELECOMANDO



LOHD75UX4K

4K

POC

USB

HDCP



SAT

DTT

TVCC

**4K
UHD**

LOHD75UX4K

- Supporta risoluzione video fino a 4K@60 Hz
- Compatibile con HDMI 2.0 e HDCP 2.2
- Tecnologia HDBaseT
- Trasmette il segnale HDMI fino a 60 metri su cavo Cat. 5e/6
- Il trasmettitore ha ingresso/uscita HDMI per monitor locale
- Supporta EDID pass-through
- Supporta tastiera e mouse USB
- Si interfaccia automaticamente con la sorgente e i display
- Sistema aggiustamento automatico del segnale che rende le immagini stabili e più nitide
- Sistema di protezione ESD
- Semplice installazione: plug and play
- Fornito con cavo USB A-B



LOHD75UX4K

SCHEMA COLLEGAMENTO



LOHD73XS

1080p

POC

IR

HDCP



SAT

DTT

TVCC



COMPATIBILE!

SPECIFICA	LOHD73XS
Video	
Standards	HDMI 1.3
Pixel clock (max)	165 Mhz
Data rate (max)	6.75 Gbps
Risoluzione	1920 x 1080@60 Hz
Connettore	HDMI A
Impedenza	100 Ω
IR	
Interfaccia	3.5 mm jack
Segnale	Monodirezionale
Frequenza IR	20 ÷ 60 KHz
Cavo UTP	
Interfaccia	RJ45, standard IEEE-568B
Distanza trasmissione	UTP Cat. 6/7e: 60 m UTP Cat. 5e: 40 m
Generico	
Alimentazione	5 ÷ 15 Vdc - 1.0 A
Dissipazione	3 W max
Temperatura operativa	-5° ÷ +70° C
Dimensioni	82 x 46 x 23 mm

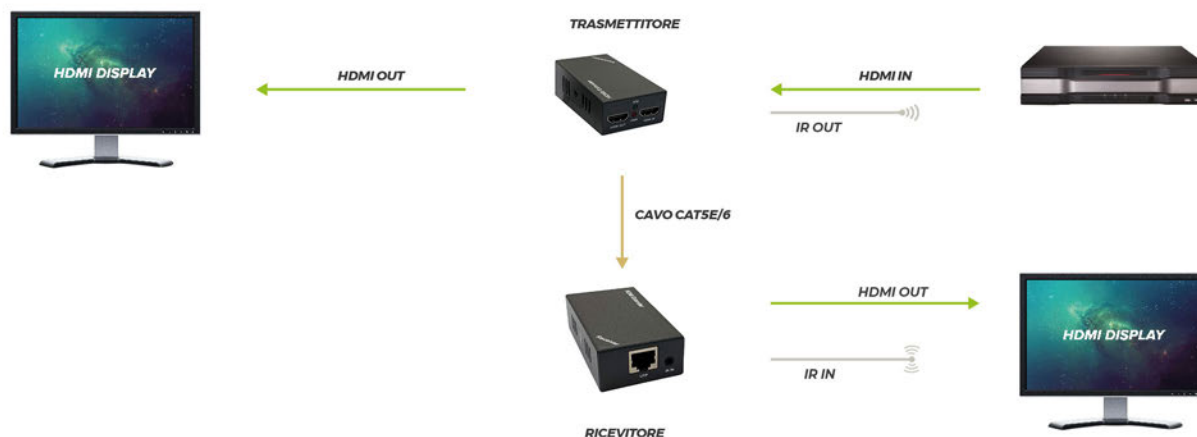
LOHD73XS

- Trasmette i segnali HDMI video e audio su singolo cavo UTP Cat. 5e/6/7e fino a 60 metri
- Supporta risoluzione video fino a 1920 x 1080@60 Hz
- Supporta funzione copia EDID
- Supporta IR monodirezionale 20 ~ 60 KHz
- Alimentazione POE con alimentatore 12 Vdc / 1 A collegato al solo trasmettitore
- Il trasmettitore supporta un'uscita locale HDMI
- Compatibile con gli standard HDMI 1.3 e HDCP 1.2
- Standard IEEE-568B
- Si interfaccia automaticamente con la sorgente e i display
- Sistema di protezione ESD
- Semplice installazione: plug and play



LOHD73XS

ESTENSIONE 1080p (70m) + IR TELEC. + HDMI IN/OUT



LOHD53UX

USB **1080p**

TVCC

LOHD53UX

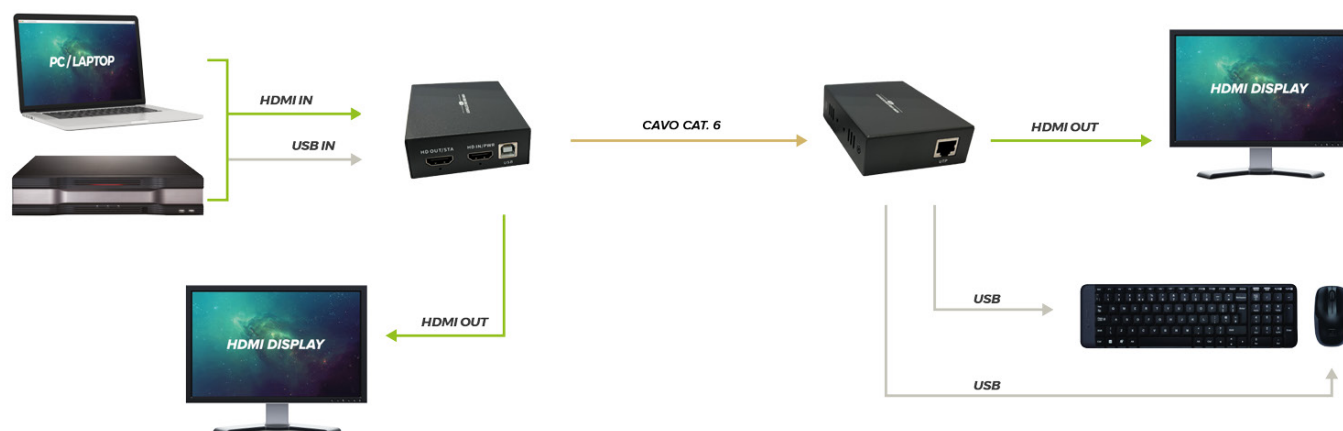
- Coppia estensori HDMI 1.3 + USB & HDCP 1.2 su cavo UTP singolo Cat. 6, portata fino a 50 m
- Supporta HDMI 1.3 / HDCP 1.1 & 1.2
- Supporta 480, 576, 720p 50/60 Hz / 1080i 50/60 Hz / 1080p 25/30/50/60 Hz / 2K
- Ingresso / Uscita HDMI sul trasmettitore
- Trasmettitore 1 porta USB, ricevitore 2 porte USB
- Supporta mouse e tastiera USB
- Cavo HDMI (1 m) a corredo

SPECIFICA	LOHD53UX
Video	
Standard	HDMI 1.3, HDCP 1.2
Pixel clock	165 Mhz
Data rate (max)	6.75 Gbps
Risoluzione	1920 x 1080@60 Hz
Connettore	HDMI A
Impedenza	100 Ω
USB	
Interfaccia	PC: USB-A Tastiera/mouse: USB-A
Segnale	HID
UTP	
Interfaccia	RJ45
Distanza trasmissione	Fino a 50 m con cavo Cat. 6
Generico	
Alimentatore	12 Vdc - 1.0 A
Dissipazione	4 W max
Temperatura operativa	-5° ÷ +70° C
Dimensioni	84,5 x 63 x 26 mm



LOHD53UX

SCHEMA COLLEGAMENTO



LOHD53VUX

1080p

VGA

USB



TVCC

LOHD53VUX

- Trasmette i segnali del computer, della tastiera e del mouse fino a 200 m di distanza
- Usa un singolo cavo Cat. 6
- Supporta mouse e tastiera USB
- Supporta audio stereo analogico (ingresso separato)
- Ingresso monitor VGA (trasmettitore)
- Uscita monitor VGA (ricevitore)
- Supporta risoluzione video fino a 1920 x 1080p@60 Hz
- Porta USB compatibile ver. 1.1
- Compatibile con Windows, Linux, Unix, DOS
- Protezione ESD integrata, facile installazione con regolazione automatica del segnale
- Funzionamento plug and play, nessun software necessario
- 1x cavo USB A-A a corredo

LOHD53VUXR

- Ricevitore supplementare con accessori

SPECIFICA	LOHD53VUX
Ingresso	1x VGA, 1x USB, 1x Audio stereo
Uscita	1x VGA, 2x USB, 1x Audio stereo
Banda	350 Mhz (100 m)
Livello ingresso	0.5 ÷ 2.0 V p-p
Impedenza ingresso	75 Ω
Interfaccia KVM	USB-A tipo 1.1
Interfaccia audio	3,5 mm jack stereo
Interfaccia Ethernet	RJ45 per distanze fino a 200 m (Cat. 6)
Standard connettori	HDB15, USB, RJ45
Standard video	VGA, WVGA, XGA, SXGA, WXGA, FHD
Standard cavo	Cat. 5e/6
Risoluzione	1920 x 1080@60 Hz max
Alimentatore	5 ÷ 12 Vdc - 1.0 A
Temperatura operativa	-5° ÷ +70° C
Dimensioni	98 x 70 x 26 mm



Note:

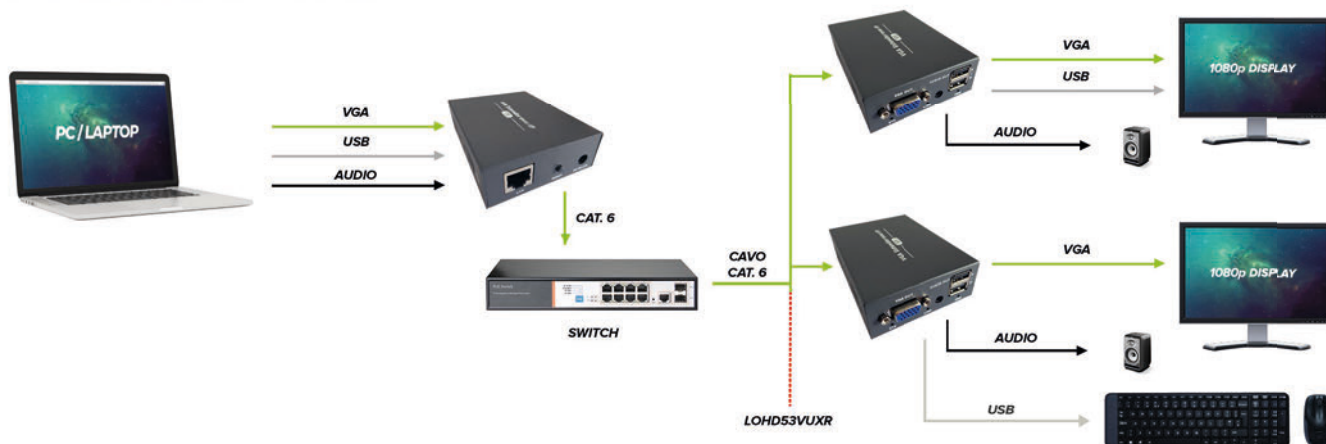
- Si possono utilizzare le porte USB su 1 ricevitore per volta

LOHD53VUX

CONFIGURAZIONE ONE TO ONE



CONFIGURAZIONE ONE TO MANY



LOHD367UEL, LOHD367UELR

H.264 **1080p** **IP** **HDCP**

TVCC

LOHD367UEL, LOHD367UELR (ricevitore supplementare)

- Fino a 150 metri su cavo Cat. 5e/6
- Risoluzione video fino a 1920 x 1080p @60 Hz
- Supporta la trasmissione "1 to many" (fino a 253 dispositivi) con switch ethernet
- Lunghezza massima del cavo HDMI 5 m
- H.264, ESD, plug and play, **Bassa Latenza**
- Compatibile con standard HDMI 1.3 e HDCP 1.2
- Utilizzare switch Ethernet da 1000 Mb
- Ethernet TCP/IP, TCP/IP DID, video/audio in tempo reale, IP
- Si interfaccia automaticamente con la sorgente e il display
- Dimensioni: 94 x 71 x 26 mm

Note:

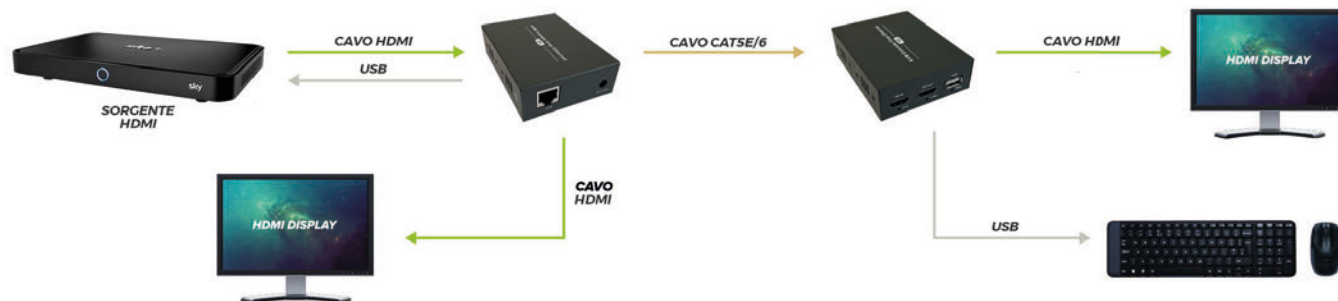
- Si possono utilizzare le porte USB su 1 ricevitore per volta
- Ricevitore supplementare, in confezione da 2 pezzi

SPECIFICA	LOHD367UEL
Video	
Standards	HDMI 1.3, HDCP 1.2
Pixel clock (max)	165 Mhz
Data rate (max)	4.95 Gbps
Risoluzione	1920 x 1080@60 Hz
Connessione	HDMI A
Impedenza	100 Ω
KM	
Interfaccia TX	USB-A
Interfaccia RX	USB-A
Ethernet	
Interfaccia	RJ45
Distanza trasmissione	150 metri cavo Cat. 5e/6
Generico	
Alimentatore	5 $\div$ 12 Vdc - 1.0 A
Dissipazione	3 W max
Temperatura operativa	-5° $\div$ +70° C

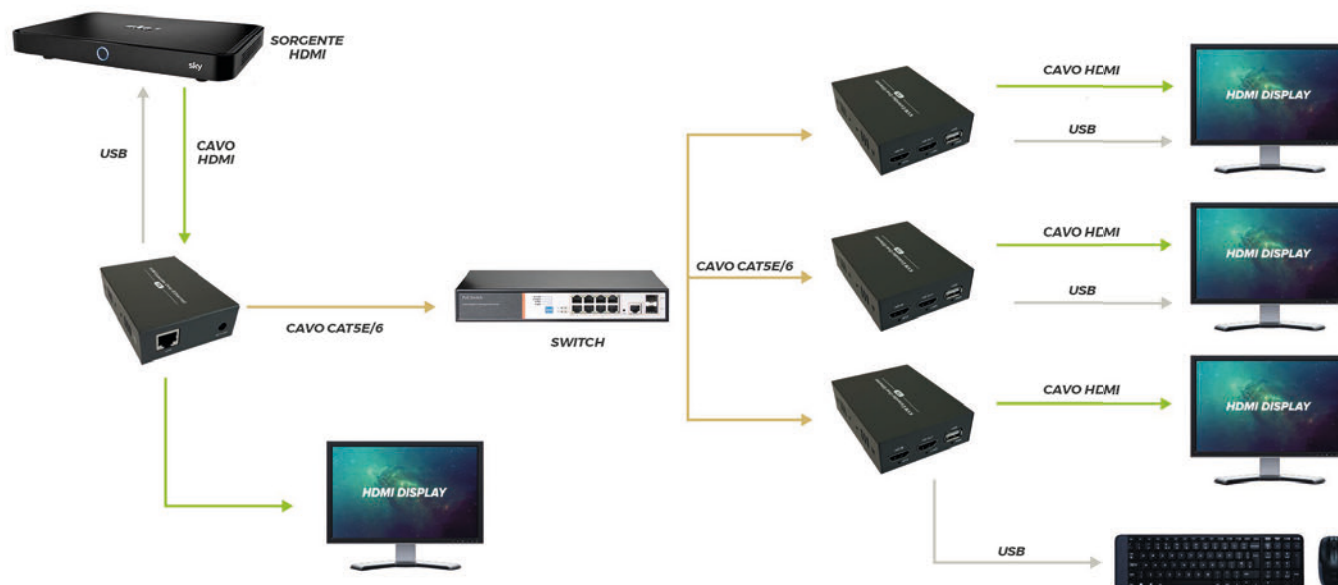


LOHD367UEL

CONFIGURAZIONE: ONE TO ONE



CONFIGURAZIONE ONE TO MANY



LOHD35UEL, LOHD35UELR

1080p **IP** **H.264** **HDCP**


LOHD35UEL

- Contenitore in alluminio, dimensioni compatte e design sottile, forte anti-interferenza
- Distanza fino a 150 m su cavo UTP cat. 6
- Risoluzione video fino a 1920 x 1080 @60 Hz
- Supporta la trasmissione "1 to many" (fino a 253 ricevitori) con switch ethernet
- Formato compresso H.264, **Bassa Latenza**
- Conformità agli standard HDMI 1.3 e HDCP 1.2
- Elevata compatibilità, può abbinare automaticamente la sorgente e il dispositivo di visualizzazione
- Il sistema di regolazione automatica integrato rende l'immagine fluida, chiara e stabile
- Sistema di protezione ESD integrato. Semplice da installare, plug and play
- Trasmissione video/audio in tempo reale su IP
- Alcuni campi di applicazione: negozi, ristoranti, chioschi, aule, desktop virtuale
- Utilizzare switch Ethernet da 1000 Mb.

LOHD35UELR

- Ricevitore supplementare con accessori

SPECIFICA	LOHD35UEL
Video	
Standards	HDMI 1.3, HDCP 1.2
Formato di compressione	H.264
Pixel clock (max)	165 Mhz
Data rate (max)	4.95 Gbps
Risoluzione	1920 x 1080 @60 Hz
Connessione	HDMI A
Impedenza	100Ω
Ethernet	
Interfaccia	RJ45
Distanza trasmissione	Up to 150 m Cat. 6 cable
Generico	
Alimentatore	The power adapter: 5 ÷ 12 Vdc
Dissipazione	1.56 W max
Temperatura operativa	-5° ÷ +70°C
Umidità operativa	5 ÷ 90%
Dimensioni	81 x 45 x 23 mm



LOHD22TX, LOHD22RX

1080p **IP** **IR** **HDCP**

TVCC

LOHD22TX, LOHD22RX

- Estende il segnale 1080p/HDMI fino a 120 metri su un singolo cavo UTP Cat. 5e/6
- Configurazioni network: Point-to-Point, Point-to-Many, Many-to-Many
- Compatibile HDCP
- Supporta TCP/IP
- Può essere installato a cascata
- Staffe di montaggio incluse

SPECIFICA	LOHD22TX	LOHD22RX
Ingresso segnale video	0.5 ÷ 1.0 Vpp	
Ingresso segnale DDC	5 Vpp (TTL)	
Uscita video	HDMI	
Formati video supportati	DTV / HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, 1080p	
Distanza trasmissione	1080p 8-bit 120 m max su singolo cavo Cat. 5e/6 / 24AWG Solid	
Frequenza IR	38 ÷ 56 Hz	
Consumo	3 W	
Dimensioni	103.5 x 93.5 x 24.6 mm	
Peso (netto)	220 g	220 g
Indirizzo IP default	192.168.168.55	192.168.168.56



LOHDS854KHDR, LOHDS454KHDR

4K HDR POC IR


LOHDS854KHDR, LOHDS454KHDR

- Incorporates HD Base-T technology
- Distributes 1 HDMI source to 8 HDMI Displays simultaneously (**LOHDS454KHDR** 4xHDMI Out) with 1 x looping HDMI output
- Input HDMI resolution max up to 4K@60 Hz YUV 4:4:4
- HDBaseT output up to 4K@60 Hz YUV 4:2:0
- HDMI output up to 4K@60 Hz YUV 4:4:4
- Extends HDMI and IR up to 100 m using one CAT 5e/6 cable
- Supports high bit-rate audio formats (Dolby True-HD / DTS Master Audio)
- Support RS232, EDID
- Compliant HDCP 1.4 and 2.2
- Support Cascade to 8 layers

SPECIFICA	LOHDS854KHDR
Input Video format	720p, 1080p, 4K@60 Hz
Data transfer speed rate	18 Gbps (Max)
Input port	1 x HDMI
Output ports	8/4 x HDBaseT port, 1x HDMI loop out
Output Video Format Supported	DTV / HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, 1080p, 4K VESA resolution: 1920x1200
Transmission Distance	100 m under 1080p, 70 m under 4K
Power supply	24 Vdc
Power Consumption	36 W max
Operating Temperature Range	- 5° ÷ +40° C
Operating Humidity Range	5 ÷ 90 % RH (No Condensation)
Dimension	311 x 172 x 39.5 mm
Net Weight	1,70 Kg

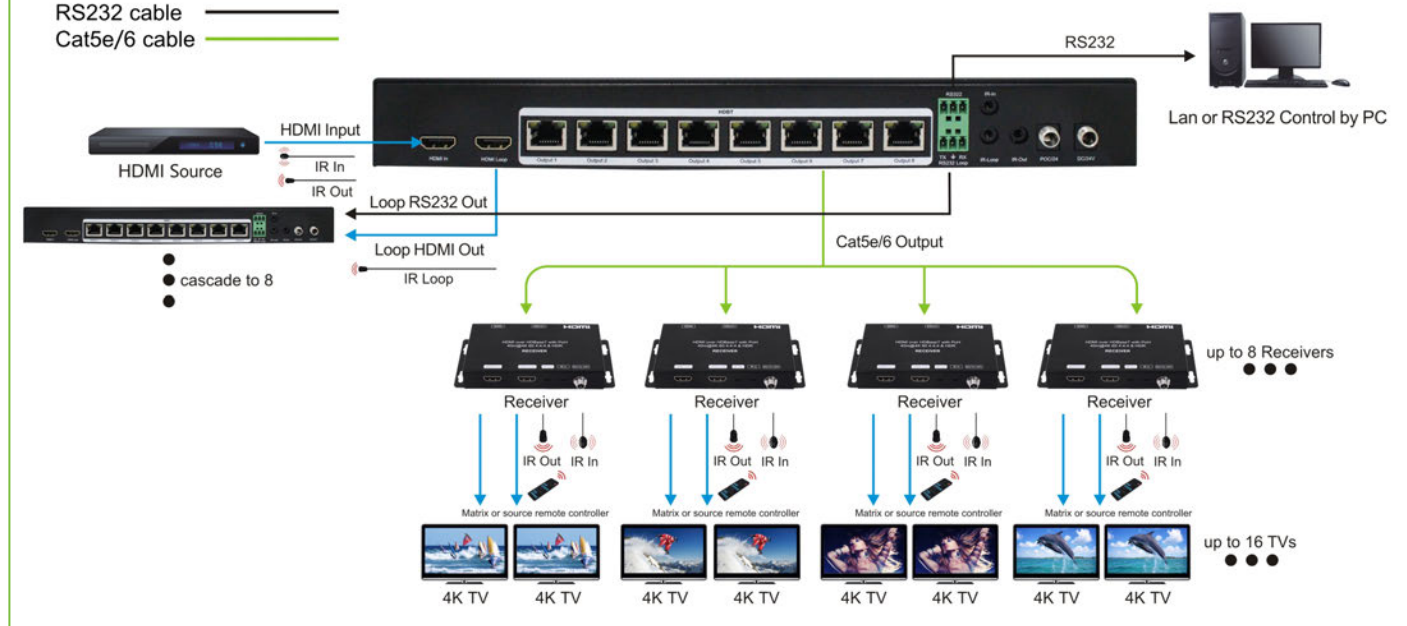

COMPATIBILE!


LOHDS54KRX

4K HDR POC IR


SPECIFICA	LOHDS54KRX
Video Format Supported	DTV / HDTV: 4K, 1080p, 1080i, 720p (50Hz), 576p, 480p, 576i, 480i
Output Video	HDMI 2.0 + HDCP 1.4 / 2.2
Output Audio	Support DTS-HD, Dolby-HD
Max Transmission Distance	100 m for 1080p, 70 m for 4K
Power Supply	24 Vdc - 1.0 A
Poc	Power from TX to RX over Cat. 5e/6 cable
Power Consumption	12 W
Dimensions	139.4 x 66.8 x 20 mm

HDMI cable 
 RS232 cable 
 Cat5e/6 cable 



LOHD522UHD, LOHD524UHD

4K **UHD** **POC** **IR** **RJ45** **EDID** **HDCP 2.2**

LOHD522UHD
SAT
DTT
TVCC
4K
UHD

COMPATIBILE!

SPECIFICA	LOHD522UHD / LOHD524UHD
Video	
Standards	HDMI 2.0
Pixel clock (max)	600 Mhz
Data rate (max)	18.0 Gbps
Risoluzione	3840 x 2160@60 Hz
Connettore	HDMI A
Impedenza	100 Ω
IR	
Interfaccia	3.5 mm jack
Segnale	Bldirezionale
Frequenza IR	20 ÷ 60 KHz
Cavo UTP	
Interfaccia	RJ45, standard IEEE-568B
Distanza trasmissione	UTP Cat. 6: 60 m
Generico	
Alimentazione	12 Vdc - 1.0 A
Dissipazione	7,1 W max
Temperatura operativa	-5° ÷ +70° C
Dimensioni	TX: 151 x 73 x 22 mm - RX: 81,5 x 45 x 22 mm

LOHD522UHQ

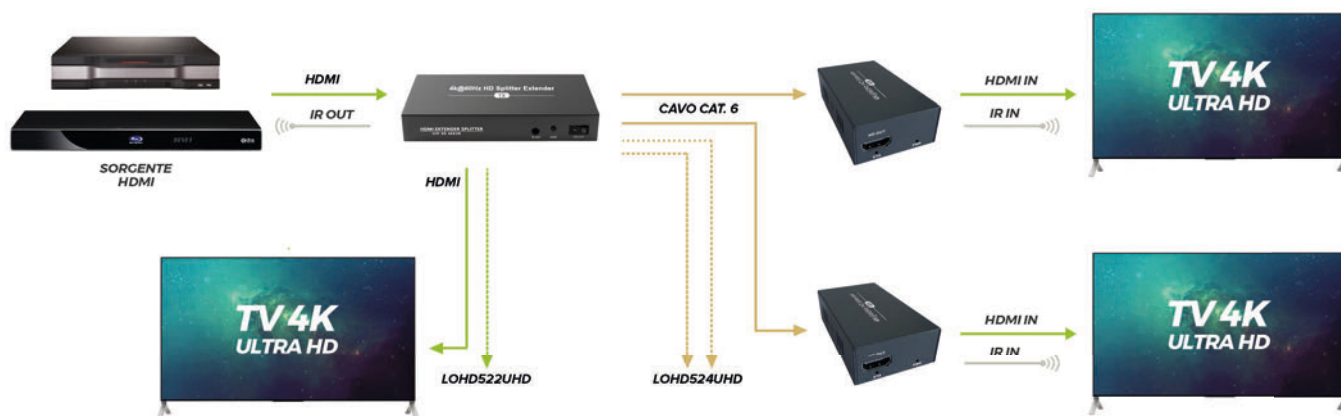
- Suddivide il segnale HDMI in ingresso in 2 uscite
- Compatibile con standard HDMI 2.0 e HDCP 2.2
- Trasmette fino a 60 metri su cavo Cat. 6
- Risoluzione video fino a 3840 x 2160@60 Hz
- 2 uscite HDMI sul trasmettitore per monitor locali
- Supporta 2 ricevitori
- Supporta segnale IR su TCP/IP
- Si interfaccia automaticamente con la sorgente e il display
- Processore immagini potente, per una elevata qualità in uscita
- Supporta POC, EDID, installazione plug and play

LOHD524UHQ

- Suddivide il segnale HDMI in ingresso in 4 uscite
- 1 uscita HDMI sul trasmettitore per monitor locale
- Supporta 4 ricevitori


LOHD524UHD

LOHD522UHD, LOHD524UHD

DIVISORE 4K (60M) + IR TELECOMANDO


LOHD454KIT

1080p

3D

RJ45

EDID



Trasmettitore

LOHD454KIT

- Distribuisce 1 segnale HDMI su 4 uscite UTP in simultanea
- Trasmette fino a 50 metri su singolo cavo Cat. 6
- Switch EDID DIP sul trasmettitore per una migliore gestione
- Supporta funzione POC
- Conforme agli standard HDMI 1.3 e HDCP 1.2
- Sistema automatico di regolazione immagine
- Sistema di protezione ESD incorporata
- Supporta Full HD 1080p e risoluzione VESA 1920 x 1200@60 Hz
- Supporta Dolby TrueHD, DTS-HD Master Audio
- Supporta 3D
- Installazione semplice con sistema plug and play

SAT

DTT



Ricevitore

SPECIFICA	LOHDS454KIT
Ingressi	1x HDMI
Uscite	4x Cat. 6, 1x HDMI
Ingresso segnale video	0.5 ÷ 1.0 Vpp
Ingresso segnale DDC	5 Vpp (TTL)
Banda amplificatore video	165 Mhz
Velocità trasferimento dati	6.75 Gbps max
Frequenza verticale	60 Hz
Distanza trasmissione	1080p 8-bit 50 metri su singolo Cat. 6 24AWG/Solid
Formati video supportati	DTV / HDTV: 720p / 1080i / 1080p VESA resolution: 1920x1200 / 3D video support
Formati Audio supportati	DTS-HD Master Audio, Dolby True HD, multi canale 5.1, ecc
Alimentazione	12 Vdc - 1.0 A
Temperatura operativa	-5° ÷ +70° C
Dimensioni	150 x 71 x 23 mm

SPECIFICA	RICEVITORE
Ingressi	1x RJ45
Uscite	1x HDMI
Velocità trasferimento dati	6.75 Gbps
Distanza trasmissione	1080p fino a 50 m
Formati video	1080p / 1080i / 720p / 576p / 480p
Formati audio	DTS-HD Master Audio, Dolby True HD, multi canale 5.1, ecc
EQ	EQ automatic adjust button
Led	1x Status, 1x Power
Temperatura operativa	-5° ÷ +70° C
Dimensioni	81 x 45 x 23 mm

LOHD454KIT

DISTRIBUZIONE IN APPARTAMENTO



LOHDAUEX



LOHDAUEX

- Three Audio EDID Settings: Auto / 2.0 Ch / 5.1 Ch
- Extract the digital HDMI audio signal from the HDMI input to 2 channel analog stereo output or 5.1 channel Audio output
- Support PCM and Dolby DTS
- Supports resolution up to 4K@60 Hz YUV4:4:4
- Supports deep color up to 36 bit
- HDCP 2.2 / 1.4 Compliant
- Support CEC
- Support firmware updating through USB port

SPECIFICA	LOHDAUEX
Input Video Signal	0.5 ÷ 1.0 Vpp
Input DDC Signal	5 Vpp (TTL)
Support Video format	4Kx2K/1080p/1080i/720p/576p/576i/480p/480i 3D video
Support Video Color Format	xv-YCC/deep color 36 bit
Support Audio Format	PCM, DTS-HD Master Audio,Dolby true-HD, etc.
Data transfer speed rate	18 Gbps max
Power consumption	2 W max
Dimension	104.4 x 64 x 28.3 mm
Operating Temperature Range	-5° ÷ +35° C
Operating Humidity Range	5 ÷ 90 % RH (no condensation)
Net weight	175 g



LOHDS2V4KHDR, LOHDS4V4KHDR, LOHDS8V4KHDR



LOHDS2V4KHDR



LOHDS4V4KHDR



LOHDS8V4KHDR



4K HDR

EDID

HDCP

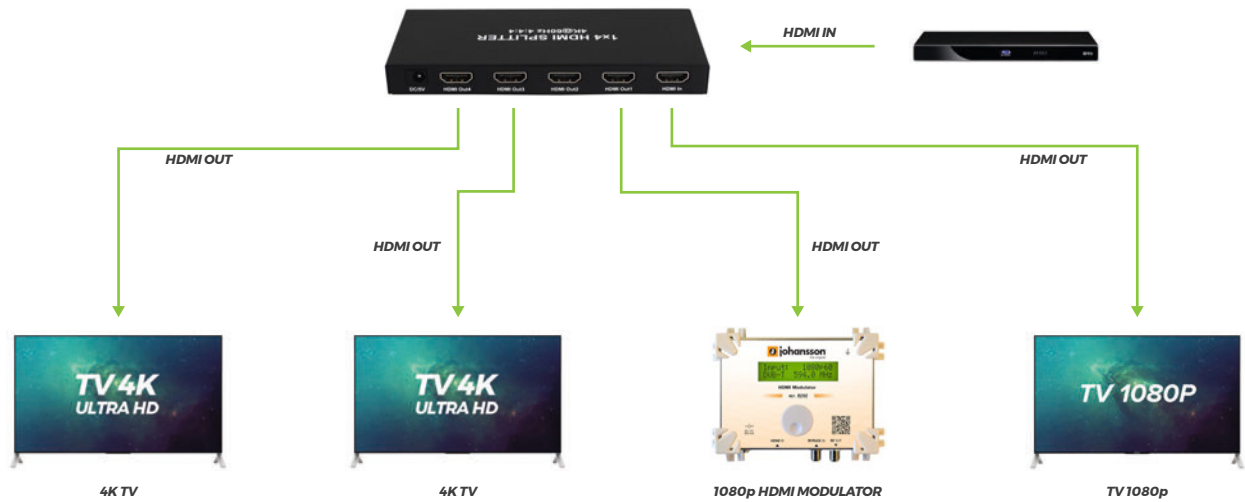
LOHDS2V4KHDR, LOHDS4V4KHDR, LOHDS8V4KHDR

- Simultaneously displays an Ultra Hi-Def source on up to four Ultra HD displays.
- Supports resolutions up to Ultra HD 4Kx2K (3840 x 2160@60 Hz YUV 4:4:4).
- Supports three kinds of EDID handling abilities.
- Supports HDCP 2.2 / 1.4 Compliant.
- Supports 36 bit Deep Color.
- Supports LPCM 7.1, Dolby TrueHD, Dolby digital Plus, and DTS-HD Master Audio.
- Support 3D.
- Bandwidth 18 Gbps.
- Support HDR.
- Support online firmware upgrade via Micro USB Port.

SPECIFICA	LOHDS2V4KHDR	LOHDS4V4KHDR	LOHDS8V4KHDR
Bandwidth frequency	18 Gbps		
HDCP	2.2 / 1.4		
Input ports	1x HDMI (female)		
Output ports	2x HDMI outputs (female)	4x HDMI outputs (female)	8x HDMI outputs (female)
Resolution outputs	up to 4Kx2K (3840 x 2160@80 Hz YUV 4:4:4)		
Dimensions (LxWxH)	150 x 64.2 x 17 mm		
Power consumption	1 W max	2 W max	5 W max
Transmission Distance	15 m (max) over standard HDMI cable / 26AWG		
Operating Temperature Range	-5° ÷ +40° C		
Operating Humidity Range	5 ÷ 90 % (no condensation)		
Net weight	120 g	245 g	610 g

LOHDS2V4KHDR, LOHDS4V4KHDR, LOHDS8V4KHDR

SCHEMA COLLEGAMENTO



LOHDS2UHD, LOHDS4UHD



LOHDS2UHD



LOHDS4UHD

EDID **HDCP**



LOHDS2UHD, LOHDS4UHD

Suddivide il segnale HDMI in ingresso, in 2/4 uscite video. Compatibile HDMI 2.0 per risoluzioni fino a 3840 x 2160@60 Hz. Supporta DHCP 2.2, funzionalità EDID e uscita audio stereo. Installazione semplificata con sistema plug and play.

SPECIFICA	LOHDS2UHD	LOHDS4UHD
Bandwith frequency	18 Gbps	
HDMI / HDCP	2.0 / 2.2	
Input ports / Impedance	1x HDMI (female) / 100 Ω	
Output ports	2x HDMI outputs (female)	4x HDMI outputs (female)
Resolution outputs	Max 3840 x 2160@80 Hz	
Dimensions (LxWxH)	64 x 62 x 14 mm	105 x 59 x 18 mm
Power supply / Consumption	5 Vdc - 2.5 W max	5 Vdc - 3.9 W max
Transmission Distance	Less than 5 m over standard HDMI cable / 26AWG	
Operating Temperature Range	-5° ÷ +70° C	
Operating Humidity Range	5 ÷ 90 % (no condensation)	

LOHD88104K

4K **1080p** **WALL**


SPECIFICA	LOHD88104K
Input DDC Signal	5 Vpp (TTL)
Bandwidth	18 Gbps
Video Format Supported	4K@60Hz,YUV4:4:4 4k@30Hz/1080p/1080i/720p/576p/480p/576i/480i
HDCP Compliant	2.2 / 1.4
Output Video	HDMI 2.0 and HDMI 1.4 (over HDBaseT and HDMI)
Audio Format Supported	PCM, Dolby 5.1, DTS 5.1 digital audio
Max Transmission Distance	1080p 70 m, 4K 40 m
Power Consumption	125 W max
Operating Temperature Range	-5 ÷ +40°C
Input Video Signal	0.5 ÷ 1.0 Vpp
Dimensions	438 x 394 x 88 mm
Mass (Main Unit)	8 Kg

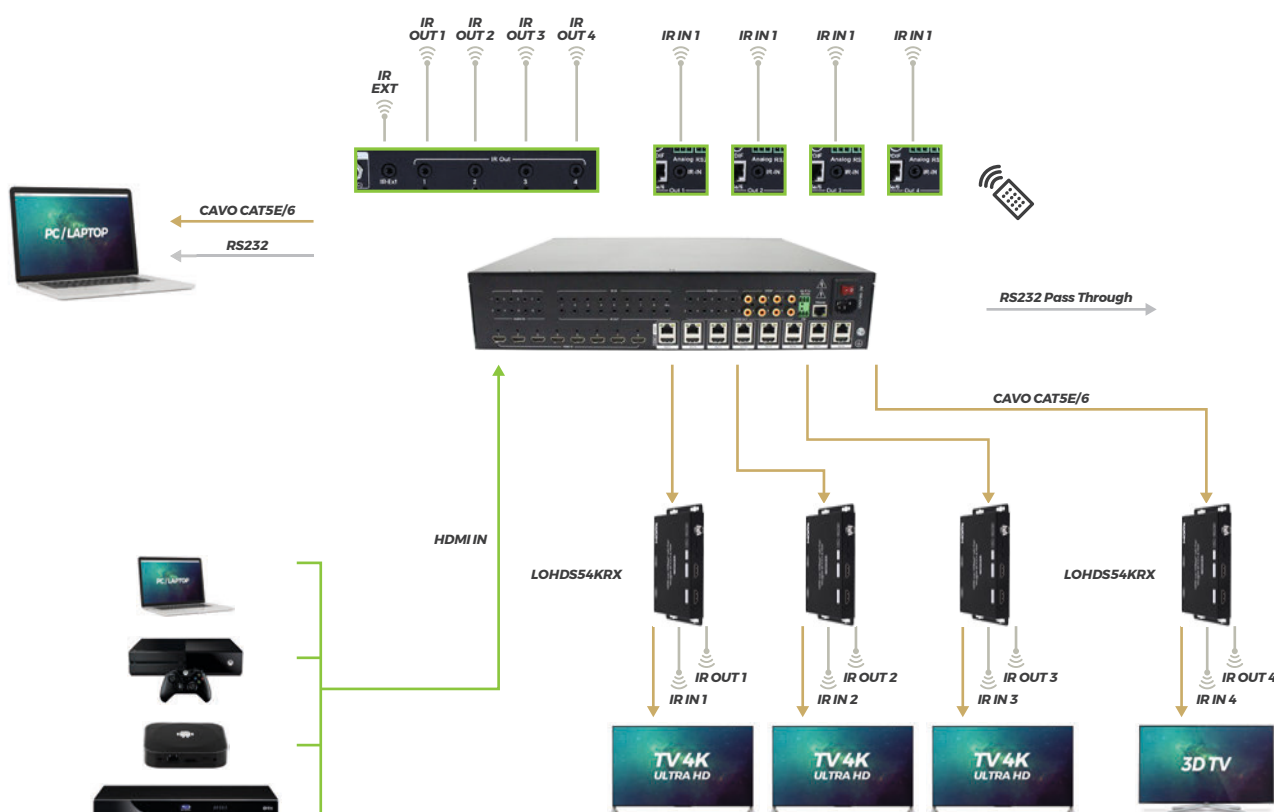
LOHD88104K

- Incorporate HDBaseT technology
- HDMI 2.0 version support 4K@60 Hz YUV4:4:4, 18 Gbps, HDR10, Dolby Vision (HDMI LOOP)
- Any one of the 8 HDMI Sources to any one of the 8 HDMI Displays
- Each of the 8 outputs includes one HDBaseT output and one HDMI output simultaneously
- Transmit up to 70 m under 1080p, 40 m under 4K@60 Hz
- HDCP 2.2 / 1.4 compliant
- With wide-band Bi-Direction IR routed control (38 ÷ 56 KHz)
- Support 8x Analog Audio input
- Support 8x Analog Audio and 8x SPDIF Audio extraction output
- Support RS232 pass through
- Support Panel Button with LCD, IR Routing, RS232, TCP/IP, PC Tool Control
- Support POC (Receiver powered by HDBaseT Matrix)
- 2U rack design with mounting ears
- Input voltage: 110 ÷ 220 Vac - 50 / 60 Hz



LOHD88104K

CONNESSIONE DA 8 SORGENTI



LOHDMX44VW

1080p **WALL** **IP** **RS232**


SAT

DTT

TVCC

LOHDMX44VW

- Qualunque delle 4 sorgenti su qualunque dei 4 display
- Commutazione senza soluzione di continuità consente di avere nessun ritardo e perdita di immagini. Velocità di commutazione inferiore a 40 millisecondi.
- Supporta la modalità Video Wall 2x2
- Possibilità di disattivare qualunque delle 4 uscite in modo indipendente
- Ogni porta supporta sia HDMI che DVI
- Risoluzioni supportate: 1080p@60 Hz @36 b/pixels, 1080p, 720p
- Facile installazione, design per installazione rack
- Alimentazione 12 Vdc - 3.0 A

SPECIFICA	LOHDMX44VW
Ingressi	4x HDMI (connettore tipo A)
Uscite	4x HDMI (connettore tipo A)
Modalità Matrix	4x4
Modalità Video Wall	2x2
Formati video supportati	DTV/HD TV: 1080p/1080i/720p/576p/480p/576i/480i
Formati audio supportato	LPCM
Ingresso segnale video	0.5 ÷ 1.0 Vpp
Ingresso segnale DCC	5 V pp (TTL)
Consumo	24 W max
Temperatura d'esercizio	0° ÷ +35° C
Dimensioni	438 x 220 x 44 mm
Peso	2,8 Kg



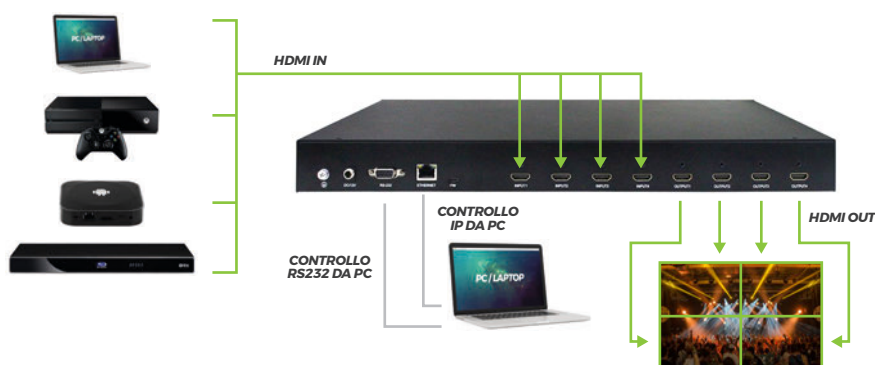
LOHD44KHDR19R

TELECOMANDO
SUPPLEMENTARE

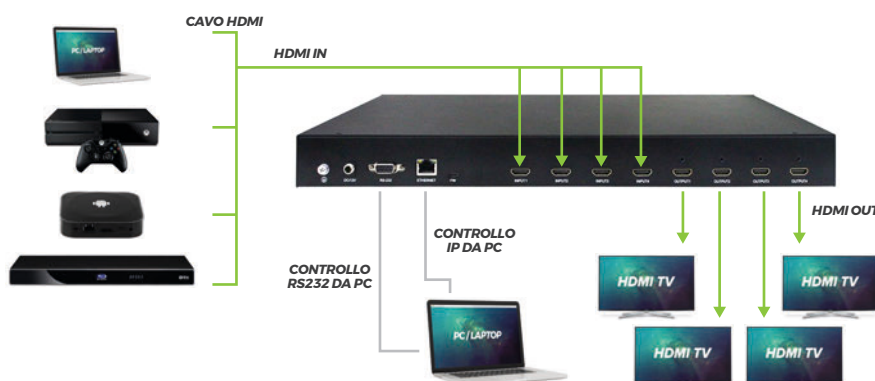
VIDEOWALL 2x2

LOHDMX44VW

2X2 VIDEOWALL



4X4 HDMI MATRIX



LOHDMX444KW

4K **1080p** **WALL**


SAT

DTT

TVCC

4K
30HZ

LOHDMX444KW

- Any one of the 4 sources to any one of the 4 displays.
- Seamless switching ensures no switching delay and pictures loss during transitions, the switching speed is less than 40 millisecond.
- Support video wall mode and output image mirror function
- Any one of the four outputs can be turned off independently.
- Support PCM 2CH audio.
- Support EDID management
- Compliant HDCP 2.2 and HDCP 1.4
- Support high definition resolutions, including: 4K@30 Hz, 1080p@60 Hz@36 b/pixels, and other standard video formats.
- Support output downscale to: 1080p / 720p / 2560 x 1440 / 1920 x 1200 / 1360 x 768
- With panel button, Remote Control, RS232 Control, TCP/IP Control to select the source. And support for third-party platform control.
- 1U rack design, easy installment.
- 12 Vdc - 2 A power supply.

SPECIFICA	LOHDMX444KW
Input Video Signal	0.5 ÷ 1.0 Vpp
Input DDC Signal	5 Vpp (TTL)
Video Format Supported	DTV/HDTV: 1080p/1080i/720p/576p/480p/4K
Audio Format Supported	LPCM 2.0
Input ports	4x HDMI
Output ports	4x HDMI
Matrix mode	4x4 Seamless switching
Video wall mode	Multiple video wall modes
Power consumption	20 W max
Dimension	438 x 205 x 44 mm
Operating Temperature Range	0 ÷ +40° C
Operating Humidity Range	5 ÷ 90 % RH (no condensation)
Weight	2710 g

Video Wall

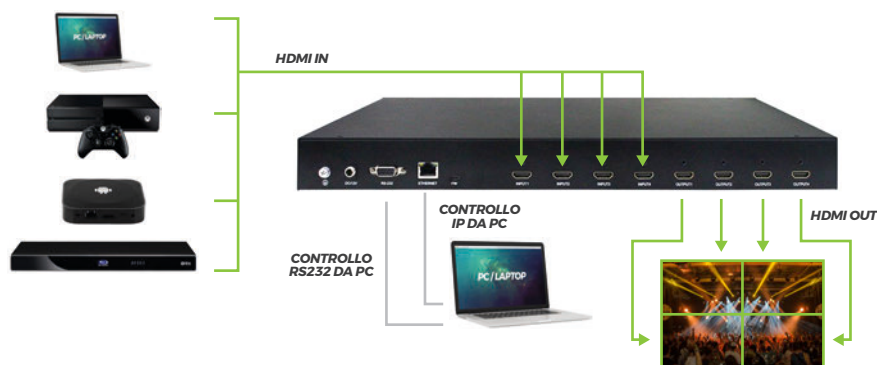


Mutli-Viewer

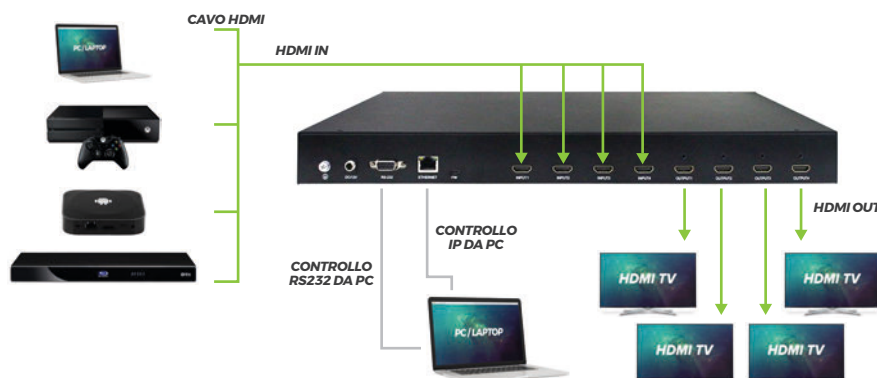


LOHDMX444KW

2X2 VIDEOWALL



4X4 HDMI MATRIX



LOHDMX224KW

4K **1080p** **WALL**

4K
60HZ

SAT **DTT** **TVCC**

LOHDMX224KW

The 2x2 TV wall controller 4Kx2K support 1-way HDMI input and 4 HDMI output, the main function is to divide a complete HDMI, HD image signal into 4 blocks and assign to 4 video display unit (such as Rear projection unit, LCD TV, etc.). Complete with 4 HDMI high-definition video display units to form a large dynamic image screen.

Main feature:

- Support 1 HDMI input
- Support input HDMI 2.0 / HDCP 2.2
- Support 4 HDMI outputs
- Support input 480i / 480p / 576p / 720p / 1080p / 4K30p / 4K60p
- Support output resolution 1920 x 1080
- Support multiple splicing modes, easy to operate, plug and play
- Output 180° flip
- IR remote controller



LOHDMX44V

1080p **WALL**

SAT **DTT** **TVCC**

LOHDMX44V

- Split and splicing TV, monitors, video walls easily and conveniently
- No need computer and software control
- Screen (180° Rotation of splicing monitor images)
- Display by 1x2, 1x3, 1x4, 2x2, and so on (option)
- Extendable Display by 3x2, 3x3, 4x4, etc (needs more controllers, or see the following connections and diagrams)



SPECIFICA	LOHDMX44V
Feature	
AV/CVBS Input	PAL/NTSC/SECAM CVBS signal (1.0 Vpp +/-5%)
HDMI Input	480p, 576p, 720p, 1080i, 1080p
DVI Input	480p, 576p, 720p, 1080i, 1080p
ATV Input	Analog TV
USB Input	Play movie, read text, photo from USB device
HDMI Input	x4
Selection Button	
Split/No	Split function (4 images display separate) Splicing function (one image on the entire video wall)
USB Mode	Enter USB mode
HDMI Mode	Enter HDMI mode and DVI mode
Input	Sources selection
Power supply	
Working Voltage	12 Vdc
Power Consumption	≤ 1W
Comb Filter	3D
Others	
Keys Function	Full-function remote control: Mute, MENU, VOL+/- CH+/-, Source, and so on
OSD Language	English, Chinese
Applications	Wall Display/Shopping Center/Security /Airport/Control Room/Show Room/Entertainment Venue/Command Centers/Educational Presentations /Medical Campuses Corporate Lobbies/Restaurants/Point-of Sale
Packing	
Dimensions (L x W x H)	258 x 134 x 34 mm

LOHD88KHDR

4K

HDR

POC

HDCP



SAT

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TVCC

**4K
UHD**

LOHD88KHDR

- HDMI 2.0 version (Support 4K@60 Hz YUV4:4:4)
- Support 3D
- Bandwidth up to 18 Gbps
- HDCP 2.2 input ,HDCP 2.2 output
- HDCP 1.4 input, HDCP 1.4 output
- Support HDR10
- 8x HDMI Input, 8x HDMI output with 8x SPDIF Audio
- Any one of the 8 Ultra HD sources to any one of the 8 Ultra HD displays
- Support Panel Button, Local IR, RS232 Control with command, IP Control, Web GUI Control
- Support Dolby True HD and DTS-HD master audio
- 1U rack design, easy installment
- Unit size: 440 x 220 x 44.5 mm

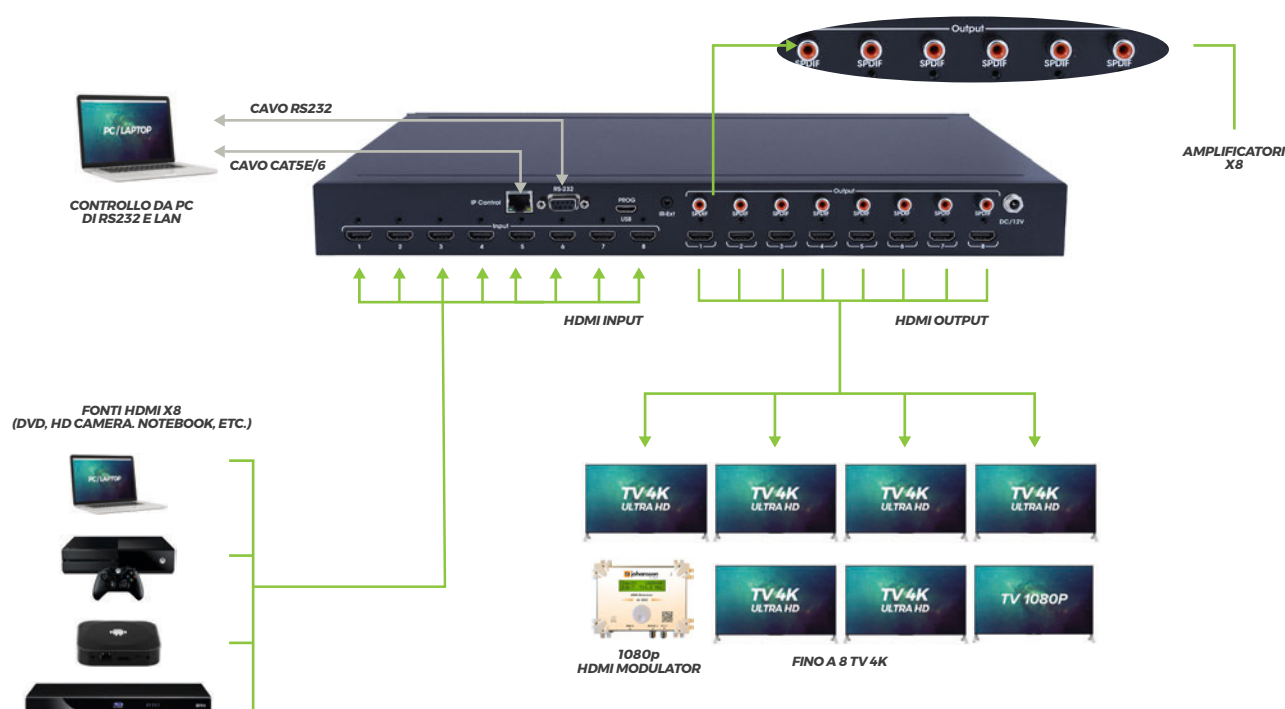
HDR

HDMI
8 INHDMI
8 OUT

COMPATIBILE!

LOHD88KHDR

SCHEMA COLLEGAMENTO



LOHD16164K

4K

HDR

POC

HDCP



LOHD16164K

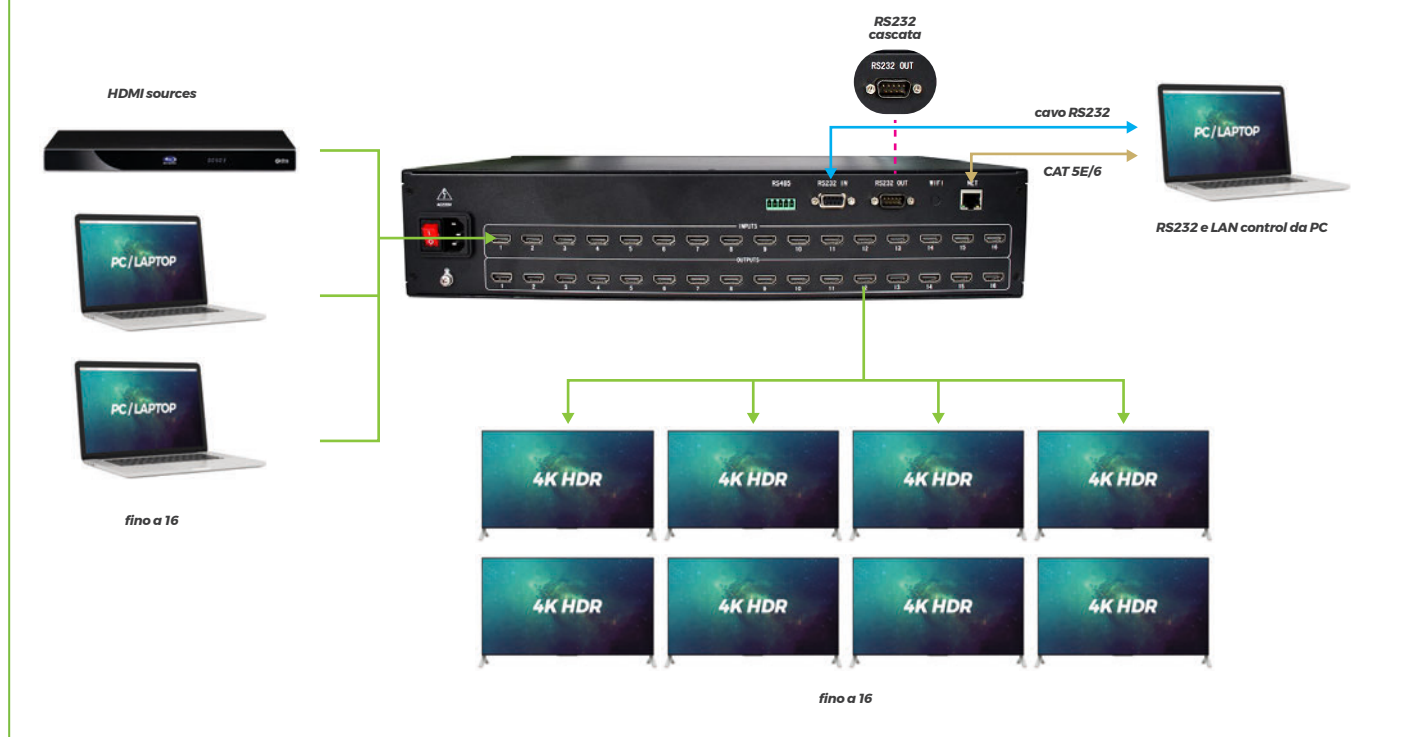
- Allows up to 16 HDMI Sources to be independently switched to HDMI Displays
- Supports resolutions up to 4K@30 Hz
- Reading and saving EDID Function from HDMI Displays
- Switching modes: Panel Buttons, RS232, RS485, PC software control, WIFI (Option)



SPECIFICA	LOHD16164K
Specification	Interface A-type HDMI Female Minimum Level 0.5 V p-p Maximum Level 1.0 V p-p Differential Impedance 100 Ω Return Loss -30db@5 Mhz Interface HDMI A-type (19 pin) Female Input Level 0.7 V p-p Differential Impedance 100 Ω Return Loss -30db@5 Mhz DC Compensation 5 mV max
Signal Type	HDMI 1.4 specification HDMI-A all-digital T.M.D.S.
Protocol	Support HDMI 1.4 Protocol compatible with DVI 1.0 Protocol
Bandwidth	340 Mhz
Video Format Supported	3840 x 2160p / 1080p / 1080i / 720p / 576p / 480p / 576i / 480i
Serial interface	RS232, 9-pin female D-type connector, Ports 2, 3 and 5 are directly connected, Serial port parameters: 9600bps, 8-bit data, 1 start bit, 1 stop bit
Control Method	Panel Button, RS232, Remote Controller, PC software control
Power Supply	176 ÷ 264 Vac
Power consumption	30 ÷ 50 W
Operation Temperature	0° ÷ +45°C
Relative Humidity	10 ÷ 90%
ESD Protection	Human-body Model: ±8 KV (Air-gap discharge) ±4 KV (Contact discharge)

LOHD16164K

SCHEMA COLLEGAMENTO



LOHD44KHDR

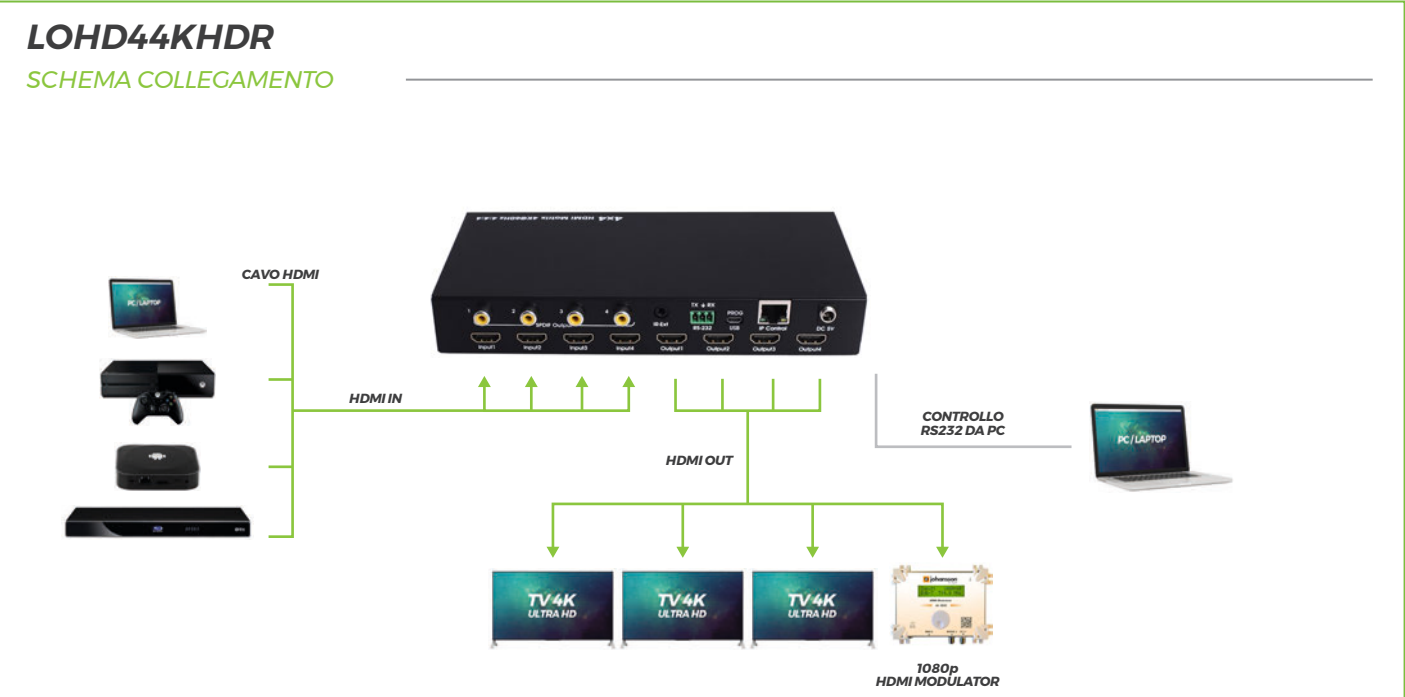
4K HDR POC HDCP



LOHD44KHDR

- HDMI 2.0 version (Support 4K@60 Hz YUV4:4:4)
- Bandwidth up to 18 Gbps
- HDCP 2.2 Input / Output
- HDCP 1.4 Input / Output
- Support HDR10
- 4x HDMI Input, 4x HDMI output with 4x SPDIF Audio
- Any one of the 4 Ultra HD sources to any one of the 4 Ultra HD displays
- Support Panel Button, Local IR, RS232 Control with command, IP Control, Web GUI Control
- Support Dolby True HD and DTS-HD master audio, Dolby Atmos under copy EDID mode
- Support firmware updating through USB port
- Unit size: 216 x 105 x 34 mm

SPECIFICA	LOHD44KHDR
Resolution	480p@60Hz, 576p@50hz, 720p@60Hz, 1080p@24Hz, 1080p@50Hz, 1080p@60Hz, 4K@24Hz, 4K@30Hz, 4K@60Hz YUV4:2:0, 4K@ 60Hz YUV4:4:4
HDCP Compliant	HDCP 2.2 and HDCP 1.4
Output video	HDMI 2.0 and HDMI 1.4
Audio Format Supported	PCM, Dolby5.1 / 7.1, DTS5.1 / 7.1 digital audio, Dolby Atmos
RS-232 serial port	3 PIN terminal block connectors
Ethernet port (IP control)	RJ45, female
IR Ext port	1x 3.5mm stereo jack
USB port	Micro 5P female
Bandwidth	18 Gbps
Default IP	192.168.1.168
Rack-Mountable	Rack ears included
Dimensions(LxWxH)	216 x 105 x 34 mm
Operating Temperature	-5° ÷ +45° C
Storage Temperature	-20° ÷ +60° C
Net Weight	0.72 Kg
Power consumption	13 W max



LOSCL4K

4K

UHD

1080p

1080i

H.264

HDMI



SPECIFICA	LOSCL4K
Input ports	1x HDMI, 1x mini-usb
Output ports	1x HDMI, 1x Earphone
HDMI input resolution	480i to 4Kx2K@30 Hz
HDMI OUTPUT resolution	4Kx2K@60 Hz, 4Kx2K@30 Hz, 1080p@60 Hz, 720p@60 Hz
Power supply	5 Vdc - 1.0 A
Power consumption	3.5 W
Dimensions(DxWxH)	93 x 84 x 28 mm
Weight	155 g
Operating Temperature Range	0 ÷ +40° C
Operating Humidity Range	20 ÷ 90 % RH (no condensation)

SAT

DTT

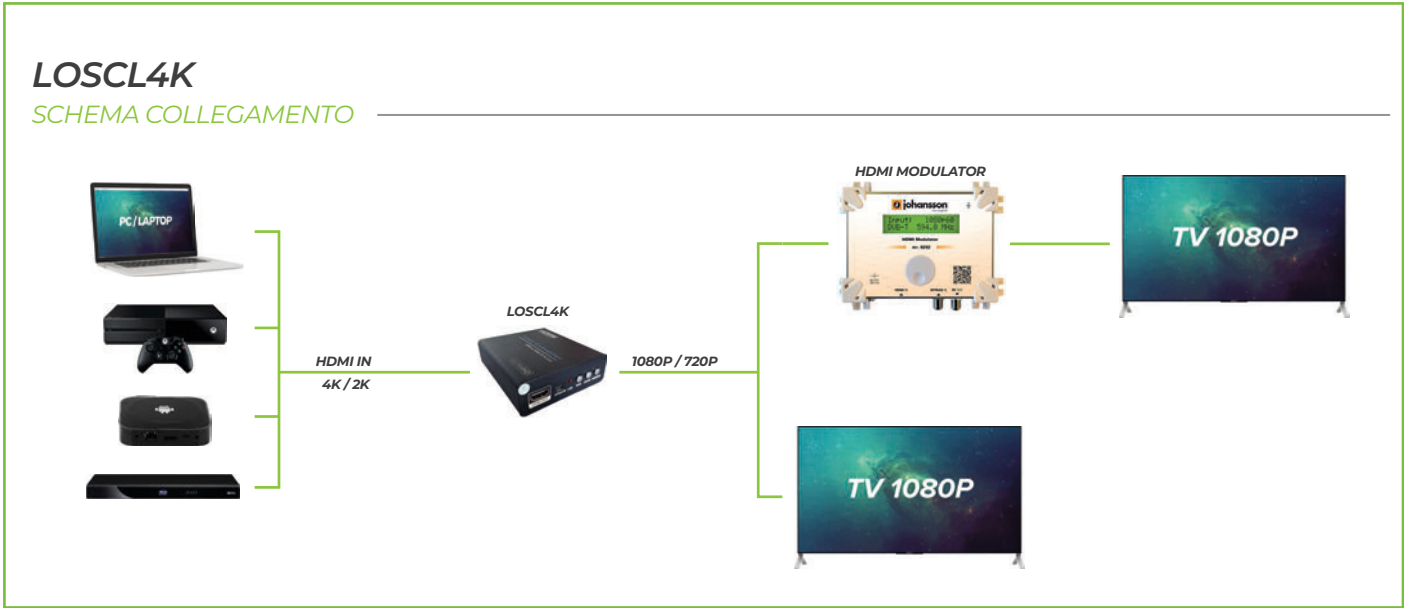
TVCC

4K UHD

HDMI

HDMI to HDMI 4Kx2K Scaler Converter Box
Universal scaler converter for HDMI input to HDMI up to 4Kx2K@60 Hz output.
Auto-detect and auto-convert HDMI to HDMI output, with color transition improvement and dynamic range expansion.

- LOSCL4K**
- No need to install drivers, portable, flexible, plug and play
 - Provide advanced signal processing with great precision, colors, resolution and details.
 - Support scaler up, scaler down digital signal process
 - Support multi HDMI input format
 - Support HDMI 4Kx2K@60 Hz, 4Kx2K@30 Hz, 1080p@60 Hz, 720p@60 Hz





DISTRIBUTORE UFFICIALE