

# DCX-XT

HDMI, USB 2.0 AND AUDIO KVM CAT5/6 EXTENDER



EXTEND DIGITAL VIDEO HDMI 4K@30HZ, USB 2.0, USB KEYBOARD/MOUSE  
AND AUDIO UP TO 100 M (330 FT) OVER A SINGLE CAT5/6

## FEATURES

- Extends HDMI up to 100 m (330 ft) from the source
- HDCP Support
- Supports up to 3840 x 2160 digital video resolution @ 30 Hz
- Automatic DDC Learning
- USB Keyboard and Mouse extension
- External power adapter for transmitter and receiver unit
- Supports Stereo Sound
- Compatible with Windows, Mac and Linux Operating Systems
- Transparent USB 2.0 extension

## APPLICATIONS

- Digital Signage
- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
- Recording Studio
- PC KVM Extension



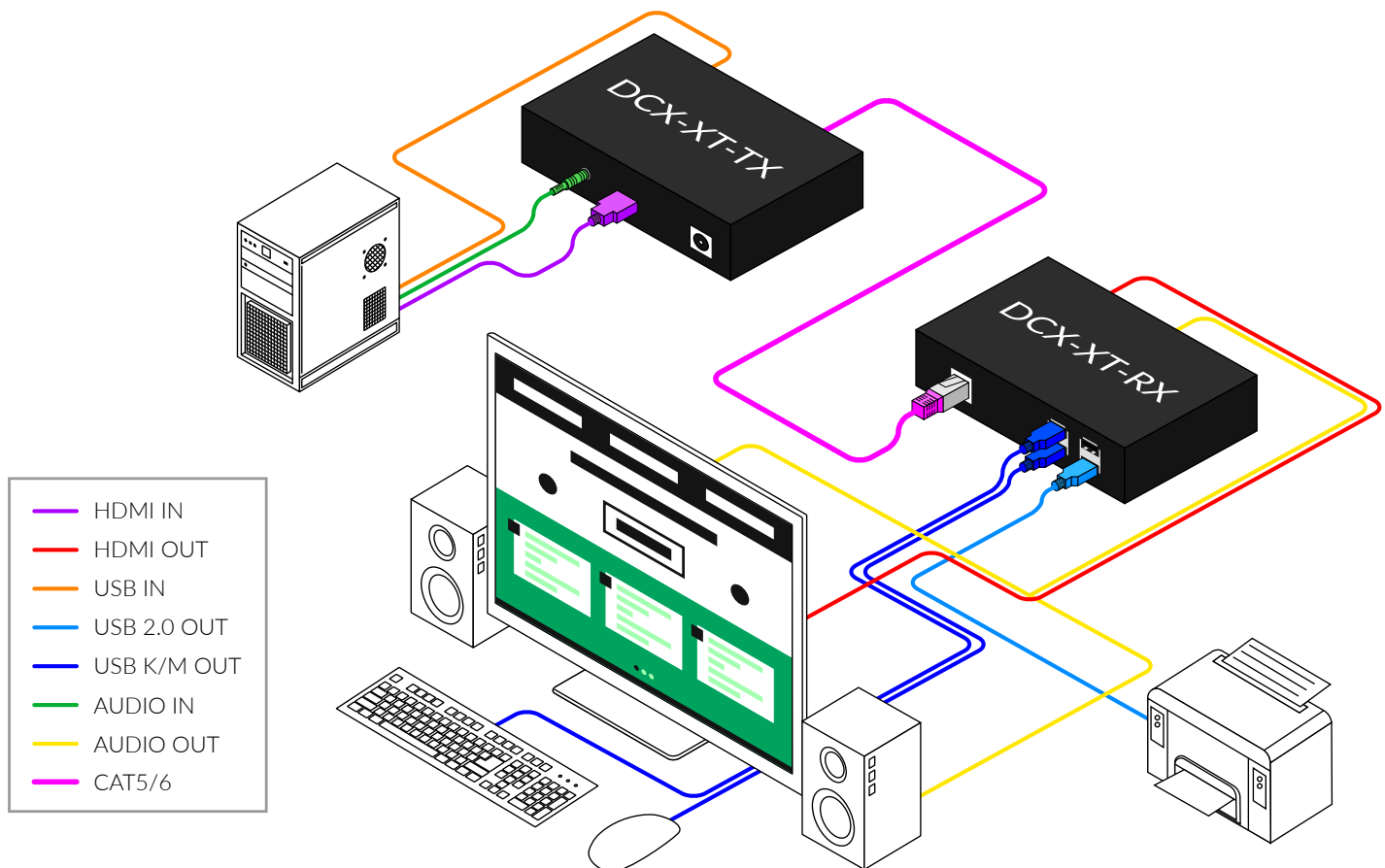
Designed and Manufactured in the USA

# OVERVIEW

The DCX-XT is a Single Head HDMI (3840 x 2160 @ 30 Hz), USB 2.0, USB keyboard-mouse and stereo audio extender, sending signals up to 100 m (330 ft) away over a single conventional and inexpensive CAT5/5e/6 cable. This new technology is superior to older HDMI extenders that require a special CAT6 shielded cable to go a short distance.

The DCX-XT is the first extender on the market to feature 3840 x 2160 @ 30 Hz, USB 2.0 and full KVM extension on one cohesive system and is optimized for Full HD monitors with crystal-clear picture; excellent for detail driven work.

The DCX-XT extends keyboard-mouse signals for remote workflow management and offers uninterrupted emulation from the user's transmitter unit. This uninterrupted emulation prevents accidental disconnection or deactivation issues during mission critical operations. The DCX-XT's unparalleled KVM extension technology makes it the perfect solution for extending servers in applications ranging from data processing to interactive conferencing.



# EXTEND FOR ANY APPLICATION IN ANY ENVIRONMENT

## SECURITY

When managing content in high-security environments, creating a safe and secure control room is critical. In the vast majority of such applications, that requires routing signals from a server room, where the computers are safely stored, to a control room, where approved personnel access the data and video feeds. Whether that's in a security surveillance center, an operations control room or some other security-related environment, being able to extend video, audio and USB is a must.

The DCX-XT provides system architects with the flexibility they need to create secure environments for servers as well as the end users accessing those computers.

## DIGITAL SIGNAGE

Managing a multi-screen digital signage solution requires some important foresight regarding the signal path to those informative and attractive displays. Particularly when it comes to properly scheduled, updated and managed content being displayed, it's much more efficient to keep all of the digital signage hardware in one central location and to extend the video signals out from there.

That means signal extension is an important part of a smart digital signage solution, and the DCX-XT gives users the flexibility they want and need to place their digital signage screens in the right locations to maximize their effectiveness.

## AUDIO AND VISUAL RECORDING

For users in the recording arts, maintaining the utmost in signal and recording fidelity is an absolute necessity. For video recording, it is often important that no unsightly computers are visible. Similarly, audio engineers must keep noisy computers away from the rooms where recording happens to ensure the final product sounds professional. In both such instances, the DCX-XT gives users the ideal way to keep their servers or computers away from areas that audio or video recording is being done, ensuring a better final product.

## EXTENDER UNITS



DCX-XT-TX Front



DCX-XT-RX Front



DCX-XT-TX Back



DCX-XT-RX Back

# TECHNICAL SPECIFICATIONS

| VIDEO                 |                                 |
|-----------------------|---------------------------------|
| Format                | HDMI2.0                         |
| Video Resolution      | Up to 3840 x 2160 @ 30 Hz       |
| Video Bandwidth       | Single-link 340 MHz (10.2 Gbps) |
| Input Interface (TX)  | (1) HDMI 19-pin                 |
| Output Interface (RX) | (1) HDMI 19-pin                 |
| Max Output Distance   | Up to 20 ft                     |
| Equalization          | Automatic                       |
| Input TMDS Signal     | 1.2 Volts [peak-to-peak]        |
| Input DDC Signal      | 5 Volts [peak-to-peak, TTL]     |
| Data Rate             | 1.65 Gbps per color             |

| AUDIO            |                             |
|------------------|-----------------------------|
| Format           | Stereo                      |
| Input Interface  | 3.5 mm Jack Socket (female) |
| Output Interface | 3.5 mm Jack Socket (female) |

| USB                   |  |
|-----------------------|--|
| Input Interface (TX)  | (1) USB Type A   |
| Output Interface (RX) | (2) USB 1.1 Type A for KM Devices;<br>(2) USB 2.0 Type A Transparent |
| Keyboard and mouse    | Keyboard and mouse emulation   |

| SYSTEM             |                |
|--------------------|----------------|
| Cable Requirements | CAT5/5e/6      |
| Maximum Length     | 100 m (330 ft) |

| OTHER                               |                                       |
|-------------------------------------|---------------------------------------|
| Power                               | 100-240 VAC/ 5VDC @ 3A/15W            |
| Dimensions                          | 7.8" W x 1.15" H x 3.65" D            |
| Weight                              | 1 lb (.5 lbs per unit)                |
| Approvals                           | UL, CE, ROHS Compliant                |
| Environmental Operating Temperature | +32 to +104°F (0 to +40°C)            |
| Environmental Operating Humidity    | 20% to 80% (non condensing)           |
| Storage Temperature                 | -4 to 140°F (-20 to +60°C)            |
| Storage Humidity                    | Up to 95% (No Condensation)           |
| Compliance EMC                      | FCC (Class A), CE (Class A), ICES-003 |
| Environmental Compliance            | RoHS2 (CE)                            |
| Support Warranty                    | 1-year                                |

| PART NO.    | DESCRIPTION   |
|-------------|---|
| DCX-XT-S    | HDMI, USB 2.0, Audio, CAT5/5e/6 Extender. Includes: [DCX-XT-TX-S, DCX-XT-RX-S, 2 X (PS5VD3A)] |
| DCX-XT-TX-S | HDMI, USB 2.0, Audio, CAT5/5e/6 Transmitter. Includes: [DCX-XT-TX-S, PS5VD3A-WLLMNT]          |
| DCX-XT-RX-S | HDMI, USB 2.0, Audio, CAT5/5e/6 Receiver. Includes: [DCX-XT-RX-S, PS5VD3A-WLLMNT]             |