

DCI401MCS

SD/HD MPEG-2/4 All-Digital Converter
for Pro:Idiom Protected Content

SATELLITE

VIDEO

Technicolor introduces the DCI401MCS, a low cost Pro:Idiom™ security terminator box designed to allow hospitality, lodging and institution, as well as assisted living operators to provide a digital High Definition (HD) solution while addressing the needs for compatibility, affordability, and addressability.

Digital Display adapter with Pro:Idiom Decryption

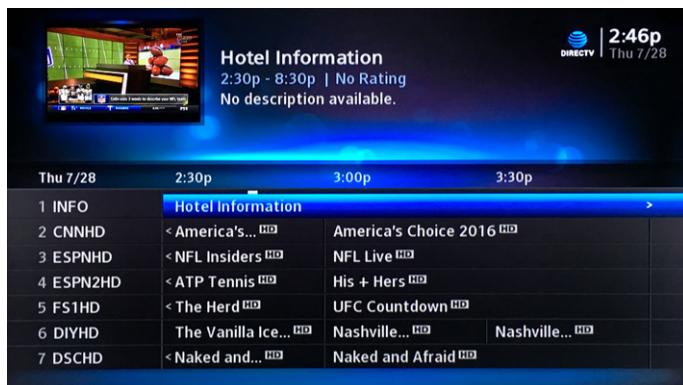
HD content delivered over an RF distribution requires that content protection be applied. For the hospitality market, the leading standard content protection system is Pro:Idiom™.

The DCI401MCS is a small adapter box which can receive the modulated RF content originating from a COM2000 receiver blade, decrypt the Pro:Idiom™ protected content and then deliver this content to a display using an HDMI connector.

The DCI401MCS can also be utilized in applications where a digital tuner is not available, including decoding MPEG-4 source material for TV sets which are unable to decode this DIRECTV HD standard.

DIRECTV™ Interactive Program Guide (IPG)(*)

When used with the COM2000 system, the DCI401MCS includes a DIRECTV Interactive Program Guide (IPG) with a full 48 hours of program information with no additional costs to the property.



Easy Installation and Setup

The DCI401MCS is intended to be a simple, plug-in device to allow for access to content. This includes a channel scan upon the first power-on event to build a channel list. A simple menu is provided for further customization including the selection of Closed-Caption options and parental lock features.

Small compact design

The DCI401MCS allows flexible positioning without taking up shelf space. It can be mounted behind the TV with the RF control technology allowing operation without the need for line of sight to the terminator box.

Features at a Glance

- HDMI output of Pro:Idiom™ protected content originating on a COM2000
- DIRECTV Interactive Program Guide (IPG)
- Analog RF output on channel 3 or 4 of SD or HD In-the-Clear programming
- RF Remote Control to allow for flexible mounting options
- Programmable IR commands to control TV power and volume
- Small form factor (4.33 x 3.19 x 0.96 in.)

(*) Requires a COM46 Receiver blade running firmware ST 03.03.15 or greater & DCI401MCS running firmware 1.22.01 or greater.

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Technical Specifications

Broadcast cable channel interface

- Cable tuner 54 to 864 MHz (1 GHz optional)
- Input impedance 75 Ohm, unbalanced
Maximum non-destructive input power: 10 dBm
- Channel spacing 6 MHz - IRC/HRC/Standard channel plans
- Demodulation 64, 256 QAM (ITU-T J.83 Annex B)

Transport layer

- Standard ISO 13818-1 MPEG-2 - SPTS / MPTS

Video

- Video decoding formats MPEG-4 H.264/AVC (ISO 14496-10)
MP @ L3
HP @ L4, L4.1
MPEG-2 (ISO 13818-2)
MP @ ML & HL
- Video output resolution 720 x 480i @ 29.97 - 4:3
720 x 480p @ 59.95 - 4:3
720 x 480p @ 59.95 - 16:9
1280 x 720p @ 59.95 - 16:9
1920 x 1080i @ 29.97 - 16:9
- Aspect ratio 4:3, 16:9

Audio

- Audio decoding formats AC-3 per ATSC A/52A
MPEG-1 Audio Layer II
MPEG-4 Part 3

Graphics

- Colors 24-bit color with 8-bit Alpha blending
- Overlay Partial/ fullover analog
- Audio language Stereo and SAP audio supported
- Loader Full code SW download with image authentication

System resources

- Memory 128 MB RAM (for system, video and OSD)
16 MB Flash
- Security Supports Zenith Pro:Idiom™ copy protection

Closed captioning & VBI data processing

- Insertion of CEA-608D closed captioning data (SCTE-20/SCTE-21) on RF

Software

- Architecture Technicolor-developed native software
- User experience Operator configurable, simple channel up/down, volume up/down
- Operator configurable menu options
- Channel name & number on-screen display
- Remote channel mapping
- Remotely manageable, configurable, and updatable

Front panel

- Single-color LED for status indication and RF reception acknowledgement
- RF Remote control protocol Zigbee RF4CE

Back panel

- Cable RF input F type connector
- Cable RF output F-type connector - Channel 3/4 only
- HDMI output 1 HDMI 1.3 type A receptacle with HDCP
- Channel 3/4 switch
- Power input 1 DC jack

General data

- Product certification UL and FCC
- MTBF > 100000 hours
- Power supply 5 VDC external PSU
- PSU input voltage 100 - 120 VAC, 60 Hz
- Operating temperature 41° - 113° F (5° - 45° C)
- Power consumption Maximum 10 W (AC power)
- Dimensions 4.33 x 3.19 x 0.96 in. (110 x 81 x 24 mm)

TECHNICOLOR MCS

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SALES CONTACT

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