

HDTV & TV INTO RGB DISPLAY INTERFACE

TV-HDTV INTERFACE™ Ref. HDI100

- **INPUT:**
HDTV, COMPONENT VIDEO (YUV), RGsB
- **TRI OR BI-LEVELS INPUT SYNC.**
- **RGBHV OR RGB/S SELECTABLE OUTPUT**



REFERENCES:

- HDI 100
- HDI-230, 230 VAC version
- HDI-115, 115 VAC version

FEATURES:

- Handles any HDTV & TV rates
- Auto Sync. & Auto Scan input
- Internal YUV to RGB matrix
- Internal Power Supply

DESCRIPTION:

The HDTV & TV interface converts images from any HDTV and standard TV (SDTV) sources (YUV/COMPONENT: BETACAM®, DVCPRO®, DVCAM®, and W-VHS) to make them "Sync." and "Color space" compatible with any RGB display (such as Projectors or Monitors).

The HDI 100 automatically accepts any HDTV formats such as 480p, 720p, 1125i, 1080 i, 1080p... This is done thanks to our high-performance Auto-Sync. & Auto Scan detection (without any DIP switches). The internal color matrix translates the YUV to RGB.

The HDI 100's input is either compatible with a "classical" 2 levels sync. (standard TV or SDTV) or a 3 level sync. (HDTV), but also a new generation of progressive DVD.

The Tri-Level sync. is converted to a Bi-level sync. The output signal becomes

either a RGBHV or RGB/S format at the same rate (up to 65 KHz). It makes the HDI 100 compatible with most Video Projector or a Graphic Switcher™'s input.

The image color and contrast are adjustable which gives the device a high visual comfort output.

TECHNICAL SPECIFICATIONS:

INPUTS:

- SDTV: Component (YUV) or RGsB
15.625 KHz/50 Hz - 625 L
15.735 KHz/60 Hz - 525 L
YUV = 0.7 Vp/p with 0.3 Vp/p Sync. on Y
RGsB = 0.7 Vp/p with 0.3 Vp/p
on Green (S.O.G)
- HDTV: ATSC, compatible 480 p,
720p, 1080 i, 1080 p, 1125i, SMPTE,
MUSE, 1135i, Hi-Vision, CCIR 1250 i
- Input on 3 BNC connectors (RGsB or YUV)

- Input Line Frequency =
- 15 KHz to 34 KHz for the Bi-level sync.
- 30 KHz to 65 KHz for the Tri-level sync.
- Input Frame Frequency =
24 p, 50 (p/i), 60 (p/i)

OUTPUTS:

- RGBHV or RGB/S selectable
- RGB = 0.7 Vp/p (75 Ω load)
- H,V,Composite sync. = TTL type, buffered
- Output on 4 or 5 BNC connectors

USER'S CONTROLS:

FRONT PANEL:

- POWER : Led
- OUTPUT SYNC.: Switch for Composite
Sync. or separate H&V sync. selection
- CONTR: Contrast adjustment
- COLOR: Color adjustment

REAR PANEL:

- HiZ/75Ω: HiZ or 75Ω terminating
switch for RGB or YUV input (Y DRDB)
- RGB/YDRDB : RGsB or Component
input matrix switch

DIMENSIONS:

- D195 x W 250 x H 40 mm
D 7.67" x W 9.84" x H 1.57 "

WEIGHT: 1.3 Kg / 2.9 Lbs

POWER SUPPLY: Internal
230 Vac / 50 Hz or 110 Vac / 60 Hz version

SUPPLIED WITH: 1 x AC Mains cable

WARRANTY:

3-year warranty on Parts & Labor,
back to the factory

Note: 1.The Component or YUV input can also be called Y DR DB, Y CR CB or Y PR PB - 2. i = Interlaced and p = Progressive or Non-Interlaced

ACCESSORIES REFERENCES (optional):

- 10038: 5 BNC / 5 BNC cable (1.8 m - 6 ft)
 - 10039: 5 BNC / 5 BNC cable (3 m - 10 ft)
 - 10096: 5 BNC / 5 BNC cable (6 m - 20 ft)
 - 10098: 5 BNC / 5 BNC cable (10 m - 33 ft)
 - 10100: 5 BNC / 5 BNC cable (20 m - 66 ft)
 - 10023: 5 BNC / HD15 M cable (1.8 m - 6 ft)
 - 10024: 5 BNC / HD15 M cable (3 m - 10 ft)
 - 10025: 5 BNC / HD15 F cable (1.8 m - 6 ft)
 - 10026: 5 BNC / HD15 F cable (3 m - 10 ft)
- HQVGA: High quality 5 coax cable up to 300m / 1000ft available upon request, please see CABLES section