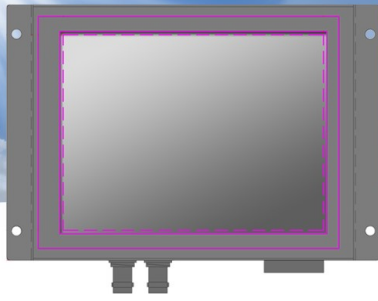


SUNLIGHT READABLE HIGH BRIGHTNESS OPEN FRAME LCD



1500nits

Open Frame 6.5" Wide Temp -30~70C, 640x480
1500nits LED Rear OSD/ HDMI Input/DC 12V Input
+ Built-in and integrated into above unit with SD-SDI to HDMI Signal
Blackmagic Micro Converters (Micro Converter SDI to HDMI 12G)

Model: YOP0650WTHB2-SDI

FEATURES:

- 6.5" TFT LCD with resolution up to 640x480.
- Suitable for military, tablet, ruggedized PC, kiosk, advertising, POS, marine, transportation, gaming, gas pump.

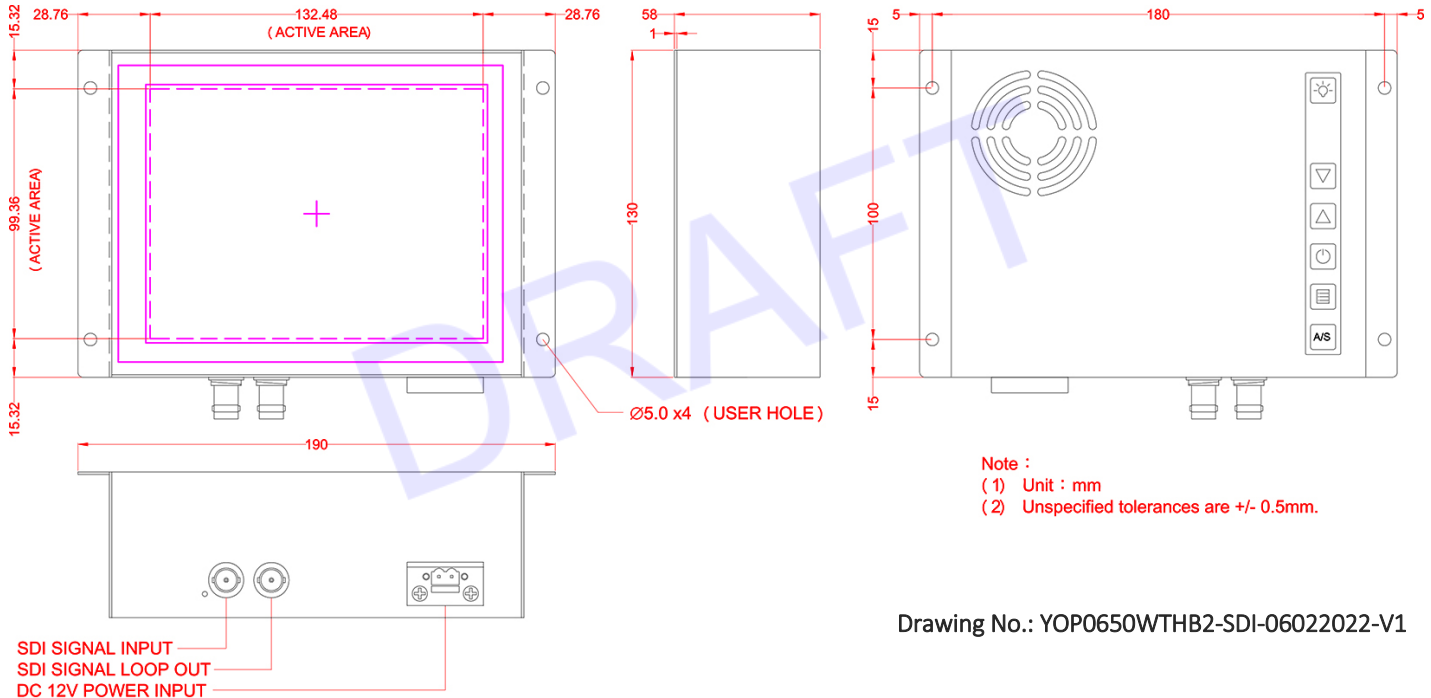
SYSTEM SPECIFICATIONS

Display Type	6.5" TFT-LCD
Panel	
Display Color	262K / 16.2M colors
Brightness	1500nits
Resolution	640 x 480
Contrast Ratio	600: 1
Backlight Unit	LED
Viewing Angle(R/L/U/D)	80/80/70/70
Response Time(Tr+Tf)	25ms
Environmental	
Temperature	
Operation	-30°C~70°C
Storage	-20°C~60°C
Optional	Touch, Glass

*Specifications subject to change without notice, not responsible for typographical errors.

MECHANICAL DRAWINGS:

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



Drawing No.: YOP0650WTHB2-SDI-06022022-V1

MICRO CONVERTER SDI TO HDMI 12G

The world's smallest 12G-SDI to HDMI broadcast quality converter! Blackmagic Micro Converter SDI to HDMI 12G is a miniaturized broadcast quality video converter that's been specifically designed for professional monitoring. It includes a 33 point 3D LUT for color calibrating any monitor, projector or television. Micro Converters feature full size HDMI and professional 12G-SDI connections for working with all NTSC, PAL, 720p, 1080p, 1080PsF, 1080i and 2160p rates, including 4K DCI at 24/47.95/48. You can power it over USB from a television or a mobile phone charger!



Connections

SDI Video Inputs

1

SDI Video Outputs

1 x loop out.

HDMI 2.0 Video Outputs

1 x type A.

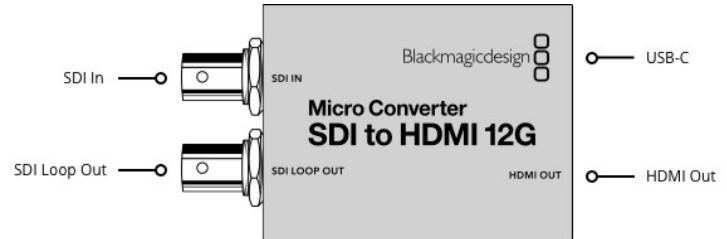
SDI Rates

270Mb, 1.5G, 3G, 6G, 12G.

Multi Rate Support

Auto detection of SD, HD, 2K, Ultra HD and 4K.

Updates, Configurations and Power
USB Type-C.



Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95,
1080p48, 1080p50, 1080p59.94, 1080p60
1080PsF25, 1080PsF29.97, 1080PsF30
1080i50, 1080i59.94, 1080i60

2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI, 2Kp29.97 DCI, 2Kp30 DCI,
2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94 DCI, 2Kp60 DCI
2KPsF25 DCI, 2KPsF29.97 DCI, 2KPsF30 DCI

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94, 2160p60

4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI,
4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94 DCI and 4Kp60 DCI.

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M,
SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1, SMPTE 2082-10, SMPTE 2084
and SMPTE 2108-1

SDI Video Rates

SDI video connections are switchable between standard definition, 720p, 1080i, 1080p, 2K DCI, Ultra HD and 4K DCI.

SDI Color Precision

4:2:2. A 33 point LUT can be loaded via the software utility for calibrating or improving monitor color.

SDI Color Space

YUV

SDI Auto Switching

Automatically detects SD, HD level A or B for 3G-SDI, 2K DCI, Ultra HD and 4K DCI.

HDMI Video Standards

525i59.94 NTSC, 625i50 PAL
720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95,
1080p48, 1080p50, 1080p59.94, 1080p60
1080i50, 1080i59.94, 1080i60
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p47.95,
2160p48, 2160p50, 2160p59.94, 2160p60
4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI,
4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94 DCI and 4Kp60 DCI.

HDMI Color Precision

4:2:2. A 33 point LUT can be loaded via the software utility for calibrating or improving monitor color.

HDMI Color Space

YUV

Operating Systems

Mac 10.15 Catalina,
Mac 11.1 Big Sur or later.

Windows 10, 64-bit.

Software

Internal software upgrade via USB.

Power Requirements

Power Consumption
4W max.

Operational Voltage Range
4.4V to 5.25V DC

Environmental Specifications

Operating Temperature
0° to 40° C (32° to 104° F)

Relative Humidity
0% to 90% non-condensing

Storage Temperature
-20° to 60° C (-4° to 140° F)

Physical Specifications

