

Blackmagic Design BMD-HYPERD/AVIDA03/5 5 inch Video Assist 3G

Connections

SDI Video Inputs

- 1 x Micro BNC

SDI Video Outputs

- 1 x Micro BNC

SDI Rates

- 270Mb, 1.5G, 3G

HDMI Video Inputs

- 1

HDMI Video Outputs

- 1

Analog Audio Inputs

- None, embedded audio only.

Analog Audio Outputs

- 1 x 3.5mm headphone jack.

Built in Speaker

- Mono

Screen Dimensions

- 5 inch 1920 x 1080.

Screen Brightness

- 300nits

SDI Audio Inputs

- 16 channels embedded via SDI

SDI Audio Outputs

- 16 channels embedded via SDI

HDMI Audio Inputs

- 8 channels embedded via HDMI

HDMI Audio Outputs

- 8 channels embedded via HDMI

Remote Control

- None

SD Interface

- 1 x UHS-I SD slot.

Storage Type

- SDXC UHS-I and SDHC UHS-I SD cards.
- Supports DS, HS, SDR12, SDR25, DDR50, SDR50 and SDR104 SD cards.

Computer Interface

- 1 x USB Type-C for webcam out, initial setup, software updates and Video Assist Utility software control.

SDI Video Standards

SD Video Standards

- 525i59.94 NTSC, 625i50 PAL

HD Video Standards

- 720p50, 720p59.94, 720p60
- 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50,
- 1080p59.94, 1080p60 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30
- 1080i50, 1080i59.94, 1080i60

2K Video Standards

- 2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI
- 2KPsF23.98 DCI, 2KPsF24 DCI, 2KPsF25 DCI

SDI Compliance

- SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 425M

SDI Metadata Support

- HD RP188

Audio Sampling

- Television standard sample rate of 48 kHz and 24-bit.

Video Sampling

- 4:2:2 YUV

Color Precision

- 10-bit

Color Space

- REC 601, REC 709

Multiple Rate Support

- SDI and HDMI switches between 270 Mb/s, 1.5 Gb/s and 3 Gb/s.

HDMI Video Standards

SD Video Standards

- 525i59.94 NTSC, 625i50 PAL

HD Video Standards

- 720p50, 720p59.94, 720p60
- 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60
- 1080i50, 1080i59.94, 1080i60

HDMI Color Precision

- 10-bit

Copy Protection

- HDMI input is unable to capture from copy protected HDMI sources. Always confirm copyright ownership before capture or distribution of content.

Media

Media

- 1 x UHS-I SD for HD recording.

Media Type

- SDXC UHS-I and SDHC UHS-I SD cards.

Supported Codecs

- ProRes 422 HQ, ProRes 422, ProRes 422 LT, ProRes 422 Proxy, DNxHD 220x, DNxHD 145, DNxHD 45, DNxHD 220x MXF, DNxHD 145 MXF, DNxHD 45 MXF.

Control

Recorder Control

- Integrated capacitive touchscreen LCD with Blackmagic OS onscreen controls for settings and navigating menus.

External Control

- SDI and HDMI start/stop, timecode run.

Software

Software Included

- Blackmagic OS

Scopes

Scopes

- Waveform, RGB Parade, Vector, Histogram.

Viewing Modes

- Scopes with picture in picture or picture overlay and opacity control.

Operating Systems

- Mac 10.14 Mojave,
- Mac 10.15 Catalina or later.
- Windows 8.1 and 10.

Power Requirements

Power Supply

- 1 x External 12V power supply.
- Compatible with Sony NP-F style batteries. (batteries not included)

Environmental Specifications

Operating Temperature

- 0° to 40° C (32° to 104° F)

Storage Temperature

- -20° to 45° C (-4° to 113° F)

Relative Humidity

- 0% to 90% non-condensing