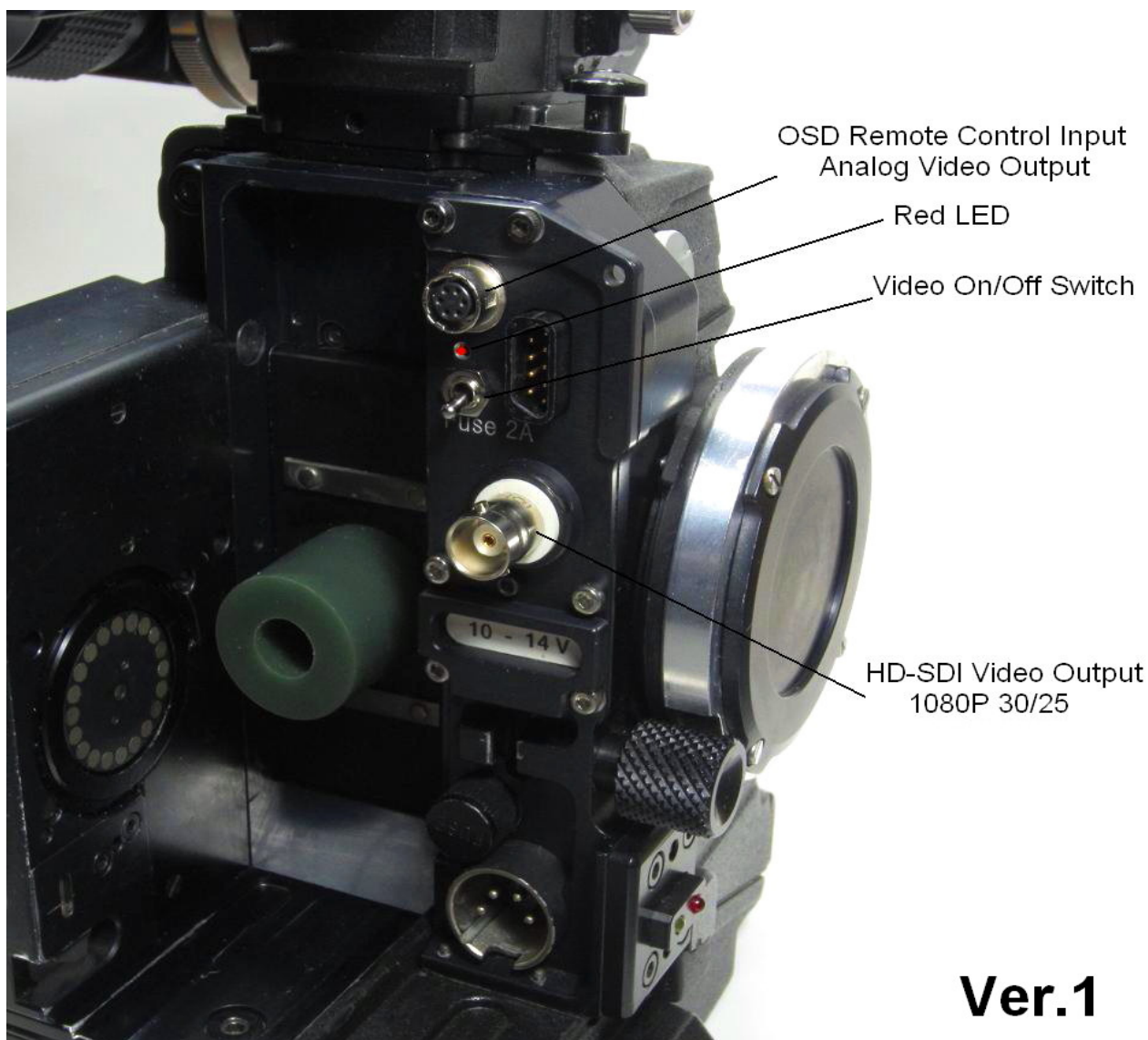## HD-SDI Color Integrated Video Tap for Aaton XTR*plus*, XTR*prod* and X*tera*

This integrated HD video tap is designed to produce a near flickerfree image for a camera speed of 24fps, and a flickerfree image for camera speeds of 25fps and 30fps. It has two video outputs: digital (SDI) and analog (PAL/NTSC). A Sony 2.1MP image sensor provides this video tap with a high resolution of 1920 (H) x 1080 (V), as well as high sensitivity and outstanding color fidelity. The power necessary to supply the video tap is taken internally from the camera's 4 pin XLR power input receptacle. For the Aaton XTR*plus* and XTR*prod* we can install this video tap in two versions. In version 1, the original Aaton VideoSync Assist unit is disconnected from the camera, and the image control using the on-screen display (OSD) is done using a joystick connected to the camera. In version 2, the Aaton VideoSync Assist unit is not disconnected from the camera, and its buttons are used to control the OSD. The low power consumption, only 120mA for version 1 and 140mA for version 2, gives your camera battery a longer life. For the Aaton X*tera* we can convert the VHR control unit to the HD-SDI unit.

OSD Remote Control Input
Analog Video Output

Red LED

Video On/Off Switch

Fuse 2A

10 - 14 V

HD-SDI Video Output
1080P 30/25

Ver.1

1

Specifications

HD active picture elements: 1920 (H) x 1080 (V)
Digital video output: HD-SDI (SMPTE292M Compliant) 1080P 30/25
Analog video outputs: AHD, TVI, CVI, CVBS PAL/NTSC formats set by OSD function
Minimum illumination: 0.1 Lux
Sync. system: internal
Mode: color or b&w through preset by OSD function
Electronic shutter: auto or manual through preset by OSD function
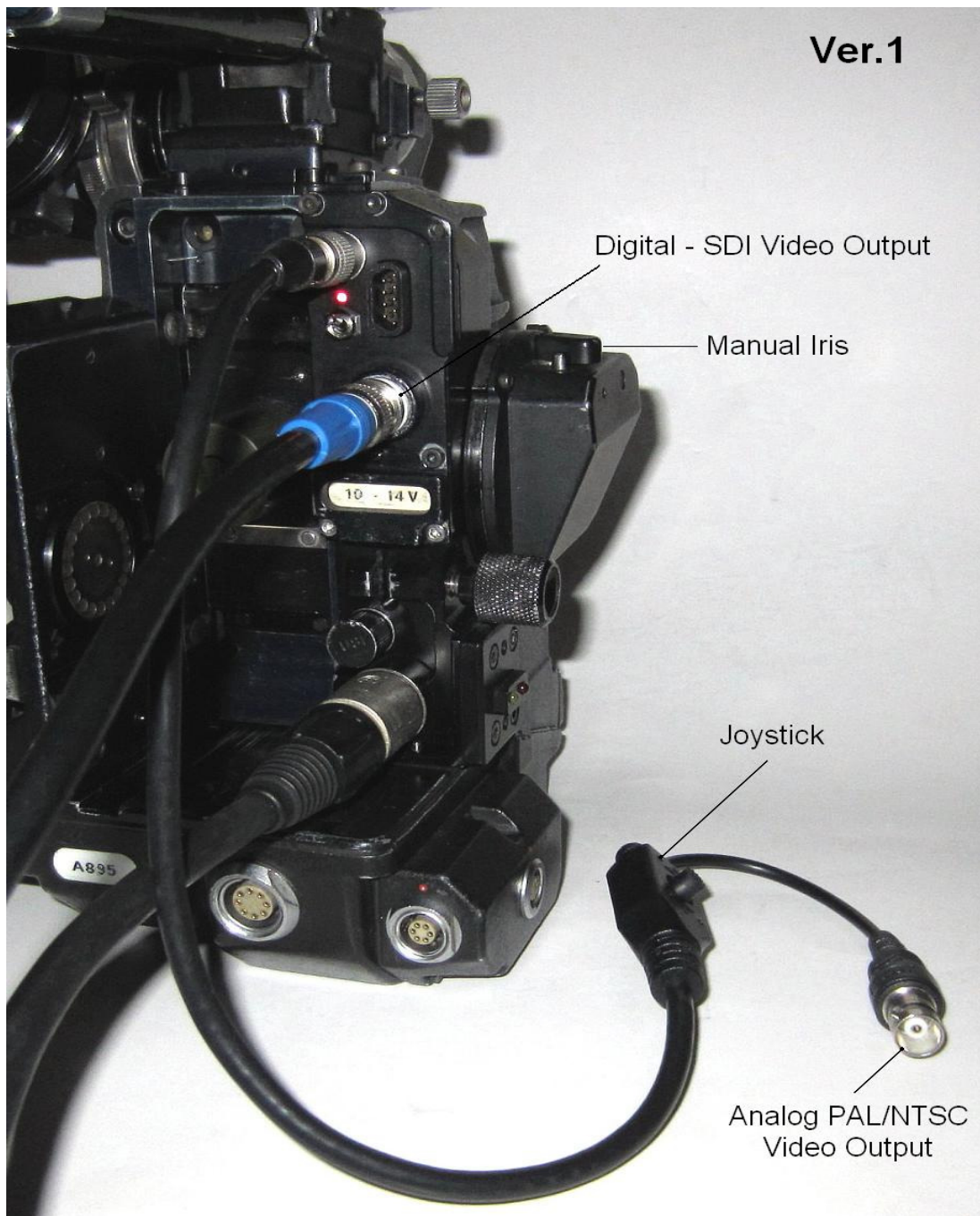White balance: auto or manual through preset by OSD function
Auto gain control on/off through preset by OSD function
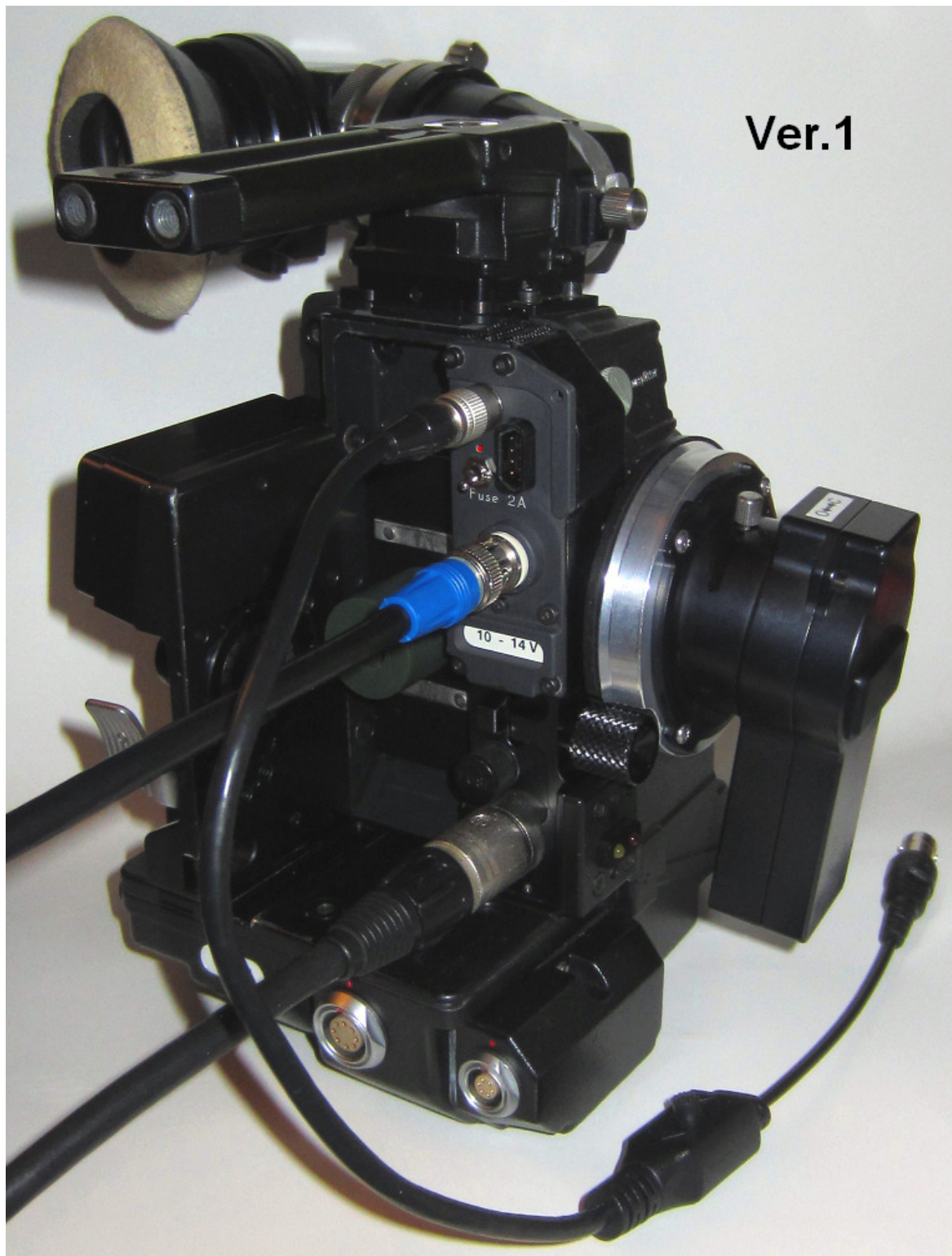Gamma: selectable gamma through preset by OSD function
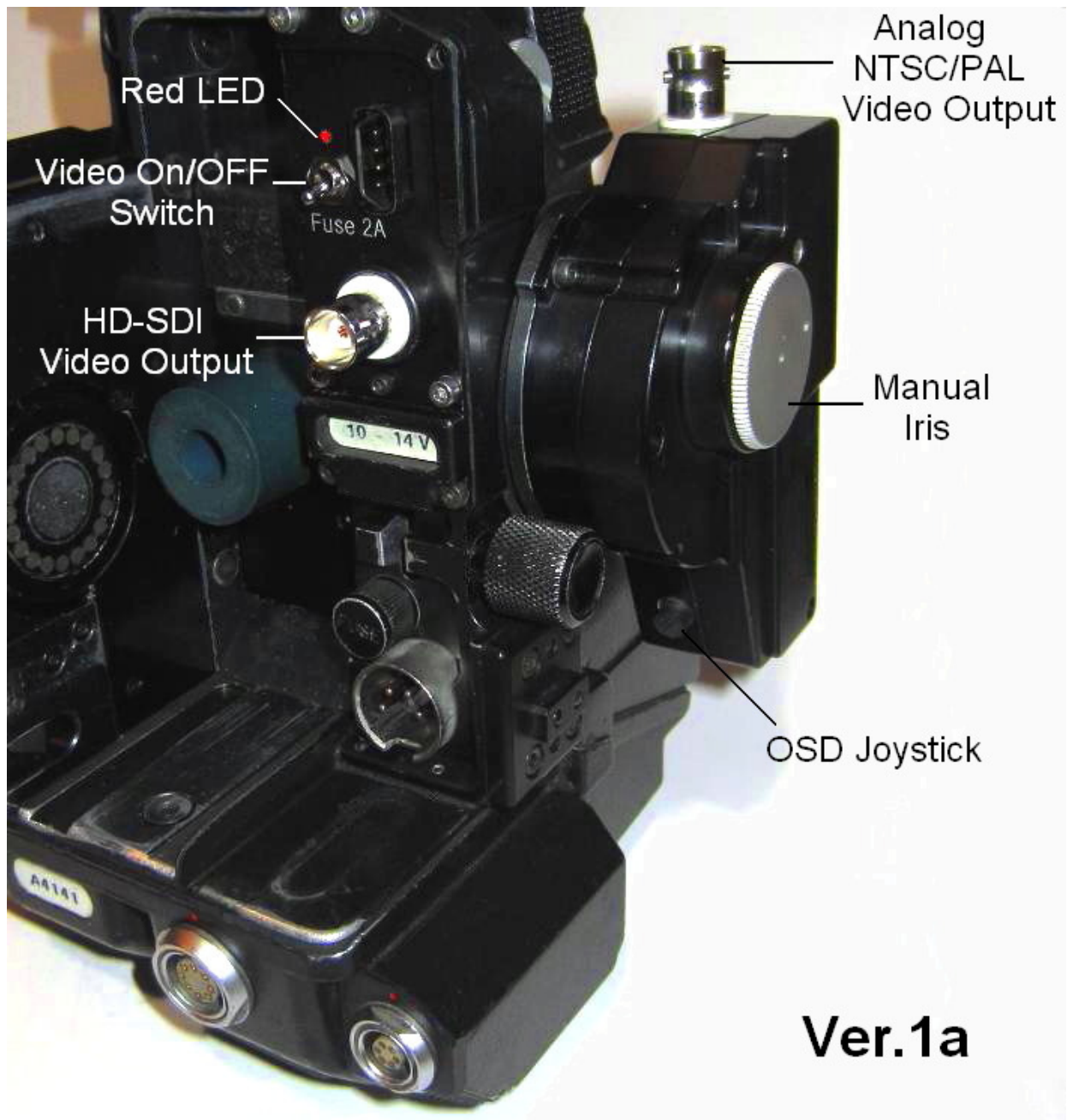Input voltage: 9 to 18 VDC, typical: 12 VDC
Operational temperature: -15 to 45 deg. C
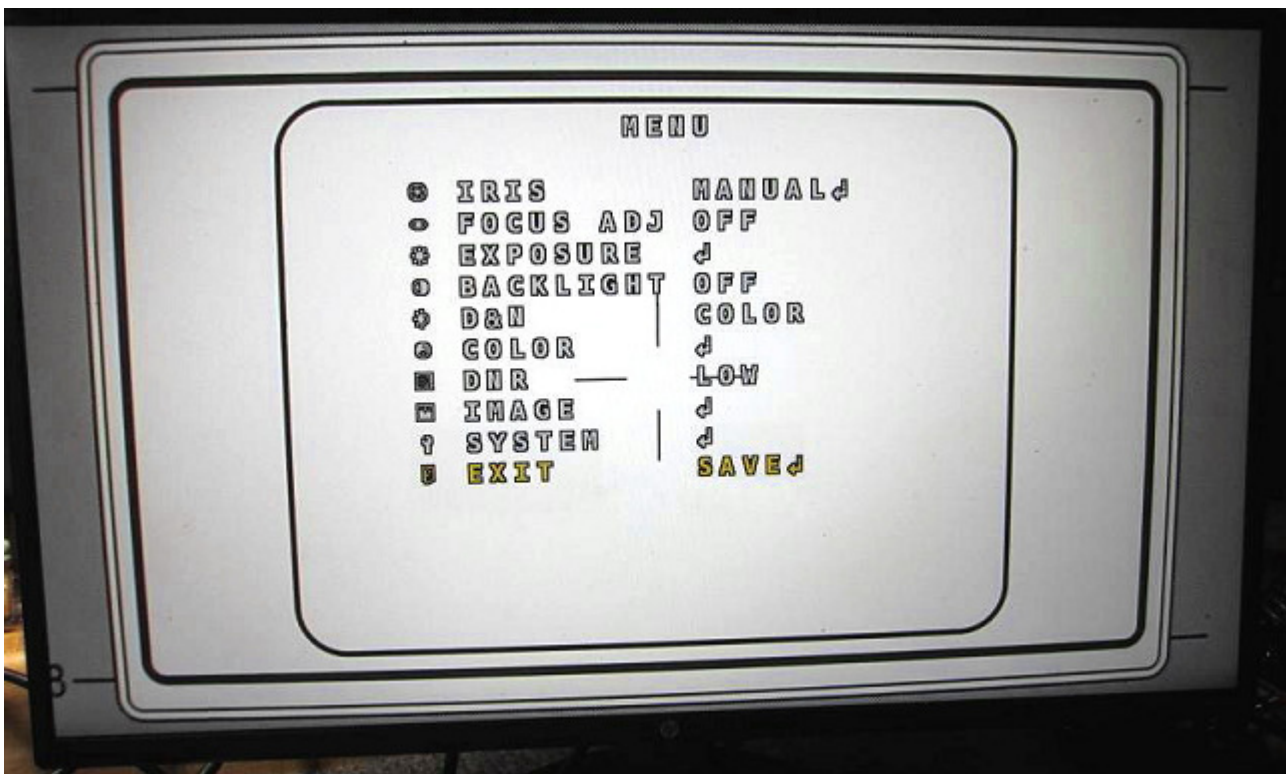Power consumption: 1.4 W

Ver.1

Red LED

Video On/OFF
Switch

Fuse 2A

HD-SDI
Video Output

10 - 14 V

Analog
NTSC/PAL
Video Output

Manual
Iris

OSD Joystick

Ver.1a

A4141

External Controller-Joystick/Analog Video Output for Ver.1

The controller-joystick can be connected to the 6 pin HRS socket. By pressing the joystick, the OSD will be activated. The video parameters can be controlled by the joystick's directions: Up, Down, Left, Right, Enter. The settings can be saved. If not, the last saved setting will be active. The controller can be disconnected from the camera once the parameters have been set and analog video output is not in use.
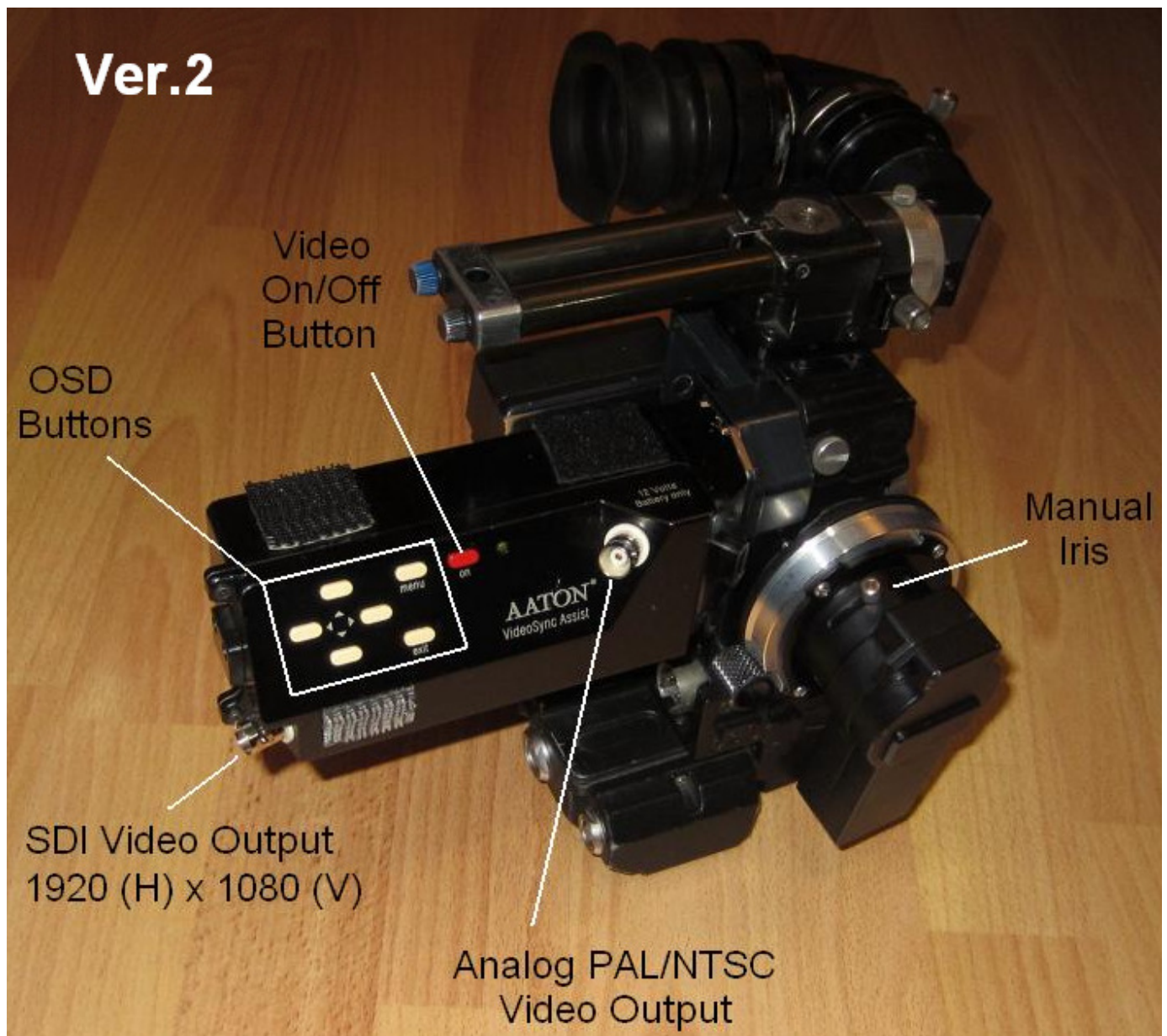

On-Screen Display (OSD) for Ver.1 and Ver.2

Ver.2

SDI Video Output
HD 1080P

OSD

MENU
EXIT

On/Off
Switch

Manual
Iris

AATON
VH 48
24/25 PAL
Color CCD
time code

12 Volts
Battery only
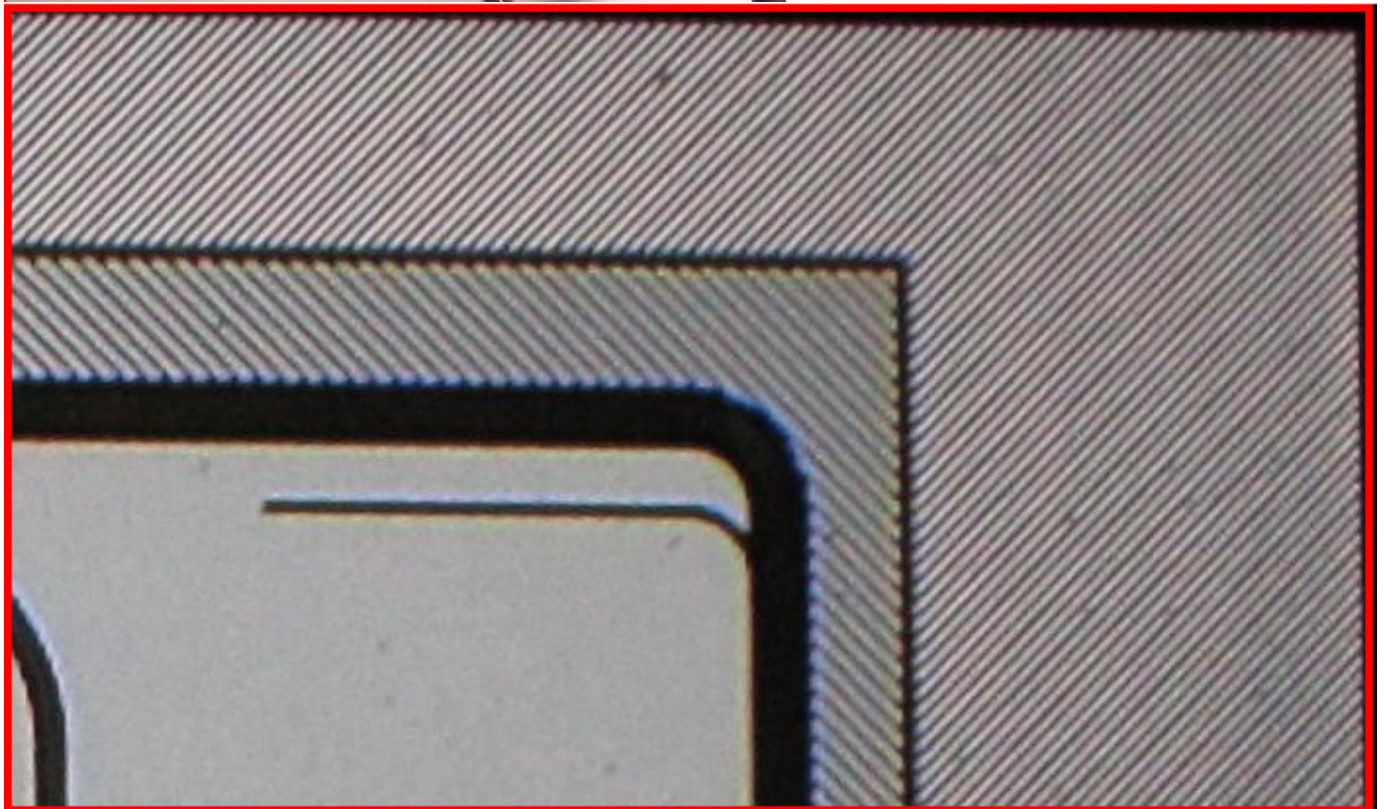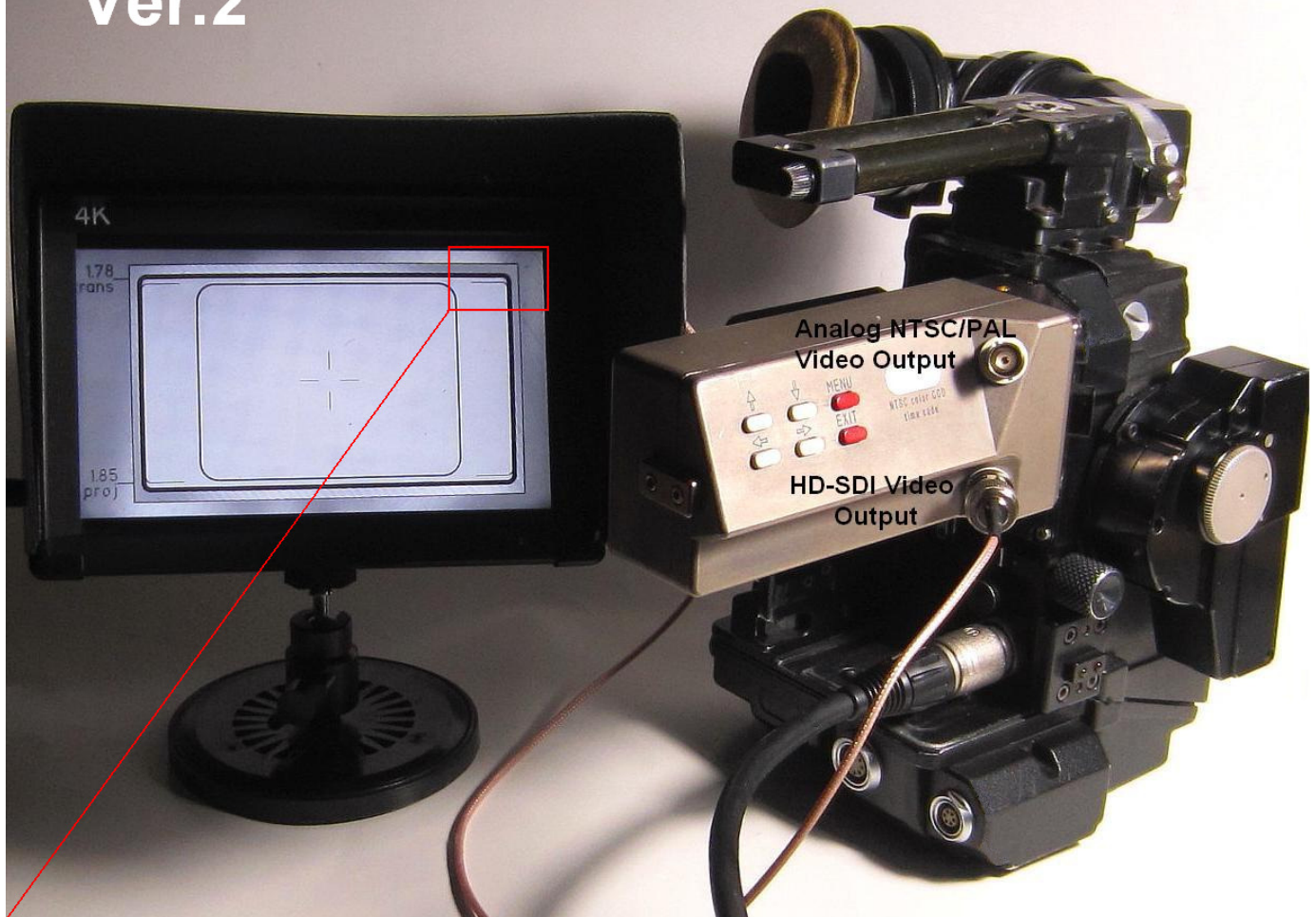
Composite PAL / NTSC
Video Outpt

After pushing the red MENU push button the menu will pop-up on the monitor screen. By pressing the white buttons (arrows) you may browse around OSD menu.

The red button works as an On/Off switch. By pressing the white buttons (arrows) you may browse around OSD menu.

Ver.2

4K

1.78 trans

1.85 proj

Analog NTSC/PAL Video Output

MENU
EXIT

NTSC color GOD time code

HD-SDI Video Output

Magnification of the upper right corner of the monitor image.

Aaton Xtera VHR unit conversion to HD-SDI

For the Aaton X*tera* VHR HD converted unit the top BNC connector is the output of the digital video signal in SDI format. The lower BNC connector is the output of the analog signal in PAL / NTSC format. After pressing the MENU button, you can enter the video setting using the functions displayed on the monitor screen (OSD).