

dTs 2050A camera/camcorder Operational Control Unit

New Product Information

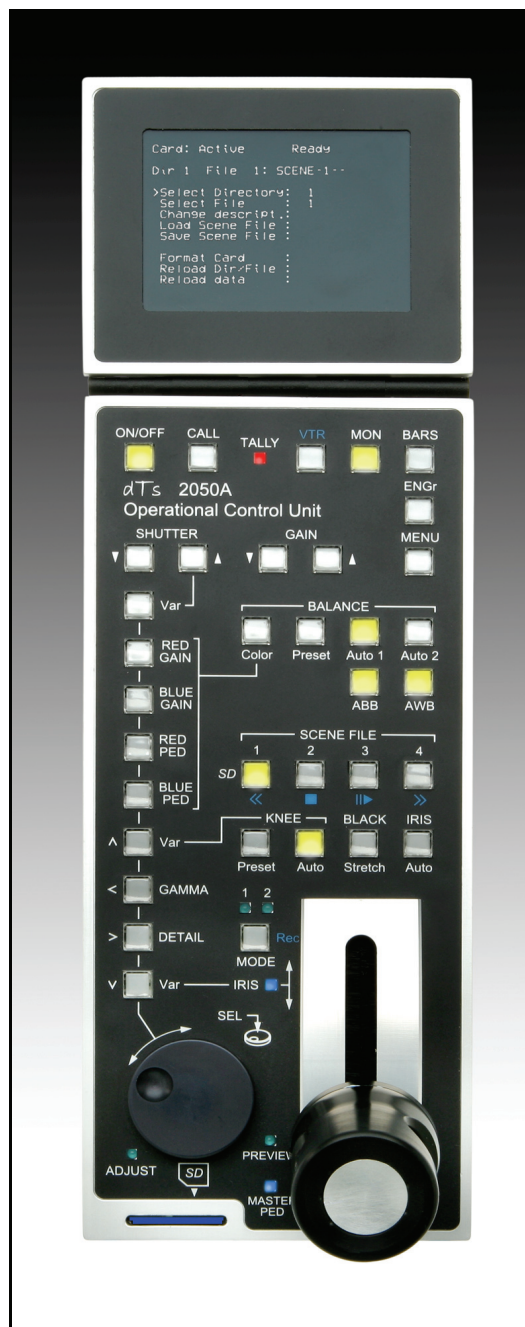
dTs2050A features:

- Emulates control panels from several broadcast camera manufacturers
- Menu selectable emulations
- Facilities provided can exceed emulated panels
- Smooth joystick iris, with built-in pedestal and preview controls - all use non-contact technology for noise-free operation and reliability
- Preview output has solid-state volt free relay contacts
- Optional 3.5 inch (89mm) LCD video/OSD picture monitor. Tilttable 0 - 45°
- On Screen Display (OSD) video output is standard for LCD and external monitor
- PAL or NTSC
- SD card transportable scene file storage
- Internal scene file storage
- Low profile design - 40mm deep excluding controls
- Optional custom overlays are available for OCU and display (language/names/logos etc.)
- Red and green tally indication

The dTs2050A OCU has been primarily designed to emulate broadcast camera/ camcorder remote control panels that do not provide practical or functional joystick control of iris, pedestal and preview. A few examples:

Hitachi	RC-Z1, 2, 3
Ikegami	RM-10, 11, RCU-240
JVC	RM-LP35
Panasonic	AJ-EC1, 2, 3, 10G WV-CB700AE
Sony	RM-M7G

Many other panels are also emulated. See '2050 Emulations' .pdf file for full list. Should your panel/camera not be included, please contact us as new emulations are frequently added in response to customers requests.



SPECIFICATIONS

Power Input

OCU 2050 only	8>48	VDC
Power @12V	1.5	W typ.
	3.5	W max
incl. Display 2060	10>14	VDC
power @12V	5.5	W typ.
	7	W max

Serial control I/O

RS422	differential 4 wire or single ended 2 wire
RS232	2 wire
Sony	bi-directional 1 wire
Panasonic	bi-directional 1 wire

Tally input (red & green)

Voltage	level off	Gnd*
	level on	+5V*
	max i/p	+20V
	resistance	≈10K
Contact	level off	open circuit
	level on	connect to Gnd

* Nominal logic sense - levels and sense may vary depending on panel emulation and menu settings.

REM /EN output

level - OCU off	+5V
(when on/off LED is off)	
level - OCU on	0V
(when on/off LED is on or flashing)	

Preview Contacts output

voltage	100V max
current	100mA AC max
	200mA DC max
on resistance	25ohms max
isolation	5000Vrms max

Compatibility see '2050 Emulations' .pdf file



Mounting

The low profile design is ideal for recessing into a desktop. At 40mm it will probably be only as thick as the desktop itself giving good under desk clearance. End brackets are available for this purpose.

For use on top of a desk, four anti-slip feet are provided.

Connectors

15way D plug	General I/O, tally, preview
BNC	Video input
BNC	Video output
BNC	Preview

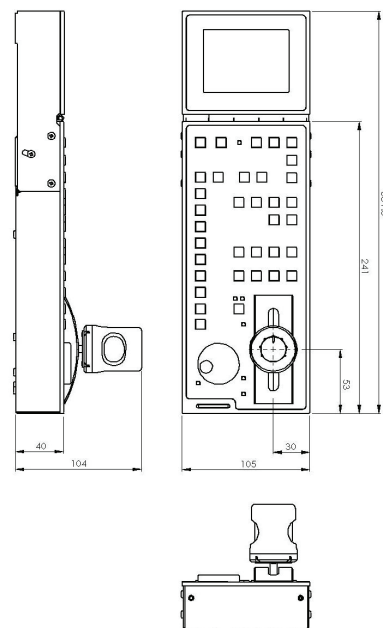
All connectors are available on a panel at the end of the unit. The panel can tilt downwards to allow easy cable routing when inset into a desktop.

For top of desk use, cables are routed under the LCD if fitted.

Joystick

Joystick tension may be adjusted by means of a screw which is accessible directly underneath the joystick when centrally positioned.

Iris -v- joystick movement is calibrated in software and may be re-calibrated or re-scaled at any time via the ENGr menu assuming it is in control of the camera.



Outline Drawing - dimensions in mm