

XL2 WARNING MESSAGES

message meaning and possible solutions

**ERROR 1
SHUTTER**

Shutter/dissolver motor jammed.

- Use heater if it's cold.

**CHK HTR
CHK BATT**

- Turn the manual shutter knob (above the movement) to un-jam the shutter, then try to run again. If problem persists, enter shutter with zero degree value to bypass the motor, and use the manual knob for setting the shutter angle.

**OR USE
MANUAL <**

**ERROR 2
MIRROR**

Mirror/shutter motor not locked to speed.

- Manually inch the mirror and check for tightness.

- Use heater if it's cold.

**CHK HTR
CHK BATT**

- Check battery voltage on camera display. Avoid using long power cable.

**INCH
MIRROR**

**ERROR 3
MOVEMENT**

Movement motor not locked to speed

- Manually inch the movement and check for tightness. Clean and oil the movement if it's dirty.

- Use heater if it's cold.

**CHK HTR
CHK BATT**

- Check battery voltage on camera display, avoid using long power cable.

**INCH
MOVEMENT**

**ERROR 4
MAGAZINE**

Magazine take-up motor jammed

- Ensure film on take-up side is not rubbing against the magazine housing.

- Check magazine to camera body lock lever. If there is too much clearance between the magazine and the camera body, the pogo contacts may not align properly, causing a bad signal or momentary loss of power.

**CHK MAG
LOCK MAG**

**CHK FILM
REELS**

**ERROR 5
EXT FPS**

Bad external speed control clock signal on ACC 10-pin connector.

- Check ACC cable, and external controller speed setting for too high or too low.

**CHK FPS
SETTING**

**CHK ACC
CABLE**

**ERROR 6
FOCUSMTR**

**ERROR 7
IRIS MTR**

**ERROR 8
ZOOM MTR**

Focus/Iris/Zoom motor jammed or overheated.

- Check motor bracket for gear binding.

- Check lens barrel for stiff rotation.

- Disengage motor from lens and try again with no load.

- Check motor cable for opened or shorted wires.

**CHK FCUS
CABLE**

**CHK IRIS
CABLE**

**CHK ZOOM
CABLE**

**CHK GEAR
MOUNTING**

**CHK GEAR
MOUNTING**

**CHK GEAR
MOUNTING**

XL2 DISPLAY MODES

This list shows the camera modes as displayed on the rear control panel of the XL2 camera. The M button cycles through the display modes

message

meaning

0.00 FPS
0 ft

Camera speed and elapsed film in feet

0.00 FPS
0 m

Camera speed and elapsed film in meters

0.00 FPS
0 fr

Camera speed and elapsed film in frames

0.00 FPS
Bright

Display brightness--adjustable via up Δ and down ∇ buttons

0.00 FPS
B+ 24.0v

Battery voltage

0.00 FPS
T 070F

Internal temperature in degrees Fahrenheit

0.00 FPS
T 021C

Internal temperature in degrees Celsius

24.00SET
180.0SET

Current speed and shutter angle settings
[Turn dial to S position to set custom speeds]



XL2 DISPLAY MODES

Additional modes are accessed by pushing the DOWN ▾ button while powering up the camera. Press M to cycle to the next mode. Cycling camera power exits these modes and returns to normal operation.

message	meaning
System? English	English / Metric unit selection. Press R and use the △ [up] or ▾ [down] buttons to select.
Camera ? 4 perf	4 perf / 3 perf / 2 perf selection. Press R and use the △ [up] or ▾ [down] buttons to select.
XL2 Ver 116	Camera software version
Cpu 035	CPU software version
Dsp1 005	DSP1 software version
Dsp2 030	DSP2 software version
Xilinx 013	Xilinx software version
Epan 008	Epan software version
Display 012	Display [removable butterfly] software version
Magazine 043	Magazine software version
Panel 025	Control Panel software version

XL2 WARNING MESSAGES

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USE HTR	Camera internal temp is below 50°F or 10°C. Connect 24v battery to camera heater connector. The amber LED will light up while heater circuit is on.
LOW BATT	Battery is 21v or lower. Camera will continue to function, but may not run correctly at higher than 40FPS. Replace weak battery with a fully charged battery.
FTZ BAD	One of the FTZ motor drivers is damaged, or bad connection at the connectors. Camera will run normally, but the front face FTZ motor drivers may be disabled. Contact Panavision
FILM JAM	Film jammed in movement. Camera will not run. Open the door and clear the jam.
FILM LOW	Film magazine is near empty. For indication only
FILM OUT	Film magazine is empty, and camera stops. Reload with new film and push "R" button on the Control Panel to reset footage counter.
DOOR	Camera door is open, and camera will not run. Check that door is securely latched.
ILLEGAL SETTING	FPS or shutter angle entry is not valid, or outside of specification. Re-enter the desired speed or shutter value.
FILTER	A behind-the-lens filter is in use. For indication only
PHASE OUT	Camera is in movement/shutter phase-out mode (i.e. for streaking effect). Push "PHASE" button once to get back to normal mode if desired.
NORMAL	Camera is not in phase-out mode. Push "PHASE" button once to get back to phase-out mode if desired.
Display blank or cycling on/off.	Battery is probably bad. Try a known good battery.