



Overview

Pick-up device: 3 x 2/3" Xensium-FT CMOS
 Picture elements: 1920x1080
 Smear: no vertical smear
 Shutter: no mechanical shutter
 Optical system: F1.4 prism
 Lens mount: 2/3" Bayonet type
 Optical filter wheels: 2x motorized wheels

- Optical filters on first wheel: clear, 1/4 ND, 1/16 ND, 1/64 ND
- Optical filters on second wheel: clear, 4P-star, soft focus

 Electronic color correction: 3200°K, 5600°K, 7500°K, FL, 2 AWB presets, Var, continuous auto white
 Exposure: electronic exposure down to 1/1000 sec

switchable formats: 1080p50/59.94, 1080PsF25/29.97,
 1080i50/59.94 & 720p50/59.94

Sensitivity at 2000 lux:

- F12 (1080i50, 720p50, and 1080p50)
- F11 (1080i59.94, 720p59.94, and 1080p59.94)
- F18 (1080PsF25)
- F16 (1080PsF29.97)

S/N ratio: 60 dB typical

Aspect ratio: 16:9

Modulation depth: 60% (typical) at 800 TV lines (27 MHz) in 1080i50/59.94 & 720p50/59.94 modes

Digital resolution: Floating point A/D conversion with 16-bit performance and with 34-bit processing in RGB

Horizontal resolution: >1,000 TV lines

Gain selection: -6 dB to +18 dB in 3 dB steps (user-definable presets) or continuous master gain

Main Features

- H.264 very low latency SD / HD AV encoder
- HD-SDI / 3G HD-SDI / HDMI / Composite input
- 4:2:0 & 4:2:2 up to 1080P30 / 1080i60
- 4:2:0 up to 1080P60
- Integrated camera control
- WiFi control
- Video streaming over RJ45
- Headset support (talkback)
- Advanced thermal management
- Up to 250mW power output
- DVB-T modulation
- LMS-T proprietary modulation for optimised mobile performance
- Link Digital Pre-Distortion
- Integrated UHF receiver for camera control
- Deep interleaving