Measure the MTF of Any Camera in Real-Time
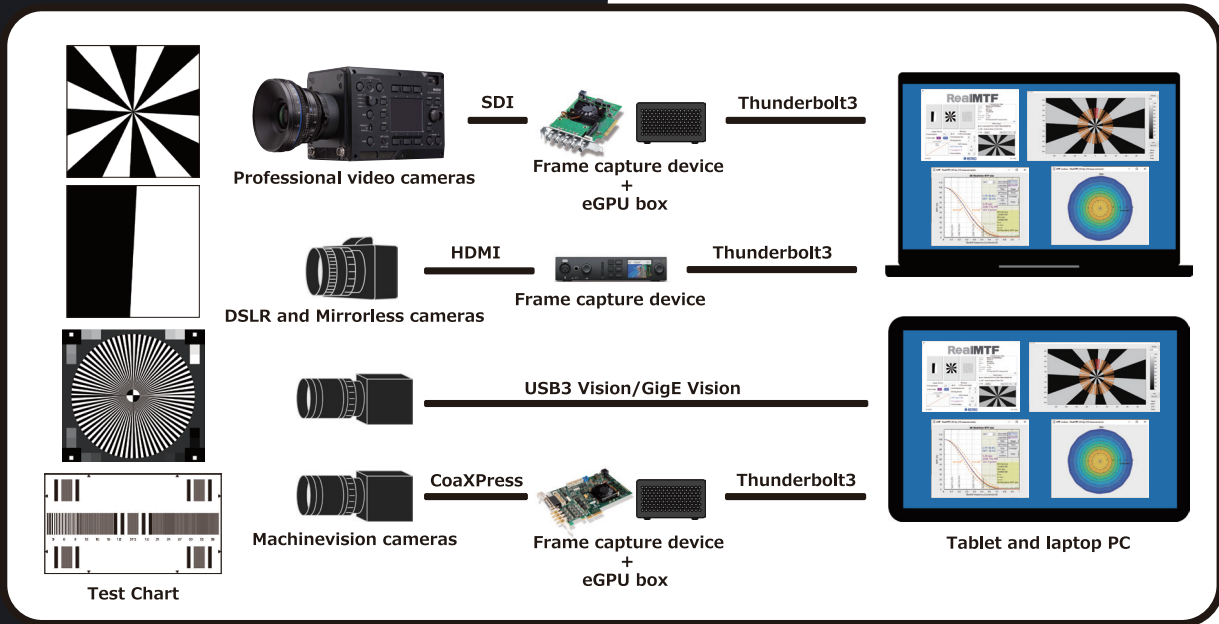
8K Real-time MTF Measurement System 【IP-8030】

What is "Resolution"?
"Easily", and "Accurately".

RealMTF

Professional video cameras — SDI → **Frame capture device + eGPU box** → Thunderbolt3

DSLR and Mirrorless cameras — HDMI → **Frame capture device** → Thunderbolt3

Machinevision cameras — USB3 Vision/GigE Vision

Machinevision cameras — CoaXPress → **Frame capture device + eGPU box** → Thunderbolt3

Test Chart

Tablet and laptop PC

Developed with the cooperation of the Japan Broadcasting Corporation (NHK)

Options

OP-4030-1
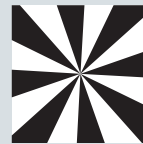Chart Folder + Tripod

OP-4030-2
Chart Frame Case

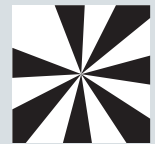**OP-4030-6**
Chart Folder Only

OP-4030-3/7
(Transmissive/Reflective)
Horizontal/Vertical Edge Chart

OP-4030-4/8
(Transmissive/Reflective)
Multidirectional Edge Chart
(16 spokes)

OP-4030-5
Multidirectional Edge Chart
(14 spokes)

IP-8030

Features

- Real-time MTF measurement by new edge-based method
  - Capable of measuring MTF quantitatively and with high accuracy, rather than qualitatively by visual evaluation
  - Capable to measure MTF of any position and direction
  - Supports simultaneous measurement in multiple directions
  - Capable of measuring while controlling focus, iris, and zoom
  - Reduces camera noise by adding frames
  - Curved edges with distortion aberrations can also be analyzed
- Support of conventional MTF measurement methods in addition to edge-based method
- Camera noise measurement

- Support of various camera interfaces
  - Possible to use with capture devices that support 12G / 6G / 3G / HD-SDI input or HDMI input
  - Possible to use with cameras that support the machine vision standards (CoaXPress / USB3 Vision / GigE Vision)
- Camera and lens data analysis (ARRI LDS / SMPTE RDD18 / GenICam)
- Measurement on laptop computers or tablets in addition to workstations
  *With use of Thunderbolt3 compliant eGPU box

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