



Panasonic

BUSINESS

i-PRO Extreme Visibility Intelligent Auto



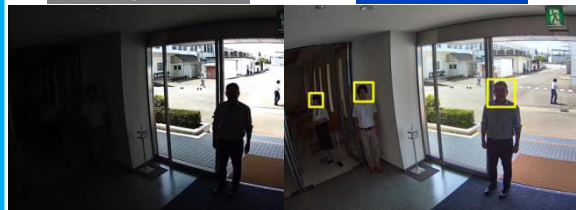
Automatic Detection



Face

Competitors

Panasonic



Detects up to **16 faces**
in backlit scenes



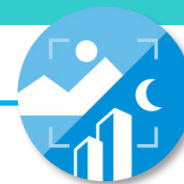
Motion

Competitors

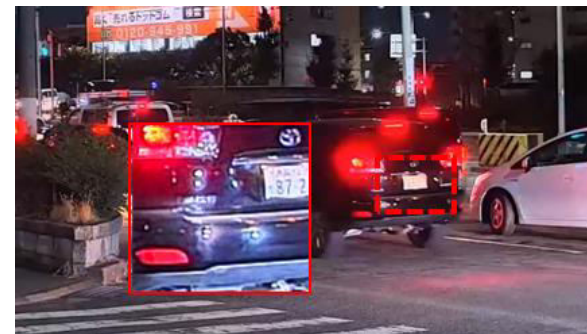
Panasonic



Detects License plates
even at high speed



Scene

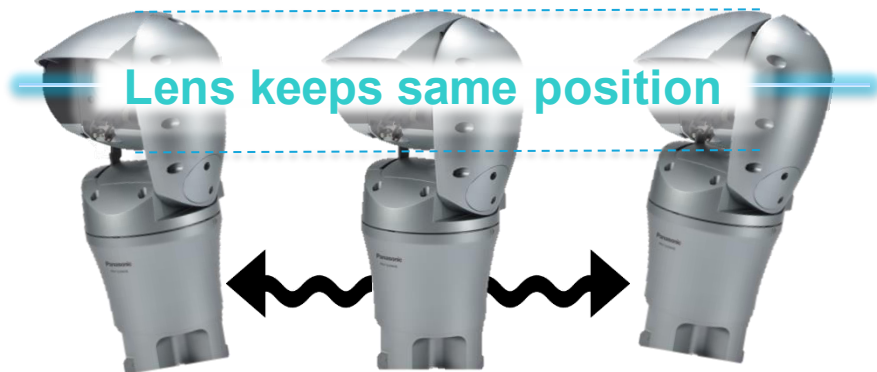


Detects objects clearly
under low illumination

i-PRO Extreme Visibility For Aero PTZ Hybrid Image Stabilization

PAN/TILT stabilization (0.2~1Hz, 5°)

Gyro sensor and custom IC detects and calculate the vibration. PAN/TILT motors cancel the slow big shake.



Electric stabilization (1~30Hz, 2.5°)

Cropping and camera shake correction cancel the high frequency vibration .



Reduces vibrations and Saves Total Installation Cost

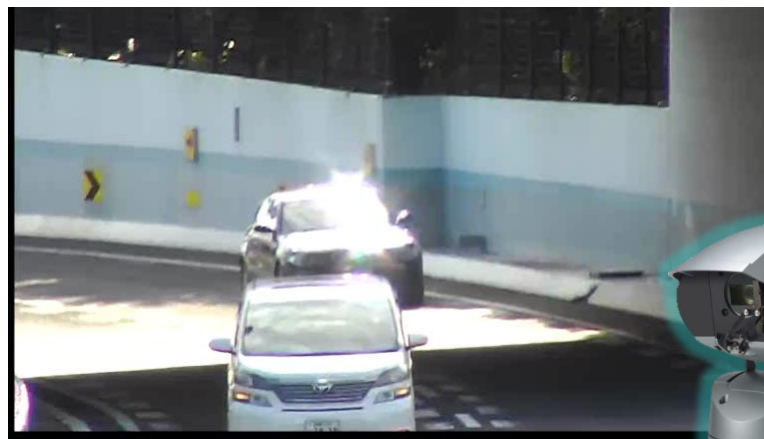
i-PRO Extreme Visibility For Aero PTZ Hybrid Image Stabilization

comparison video



Competitors PTZ

**NEED STRONG & HUGE foundation,
Due to preventing from vibration**



Panasonic AeroPTZ

**Easy installation
OK with tiny & inexpensive pole**



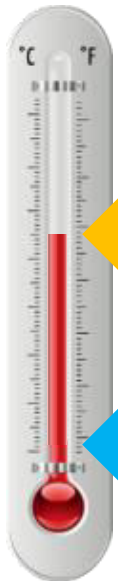
Auto Back Focus

Erythrocyte

Auto Focus Accuracy $\pm 2\mu\text{m}$

Without Focus Shift

With Focus Shift



77 °F
(25 °C)

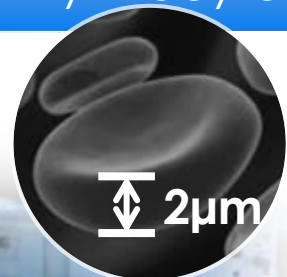
-22 °F
(-30 °C)



competitors



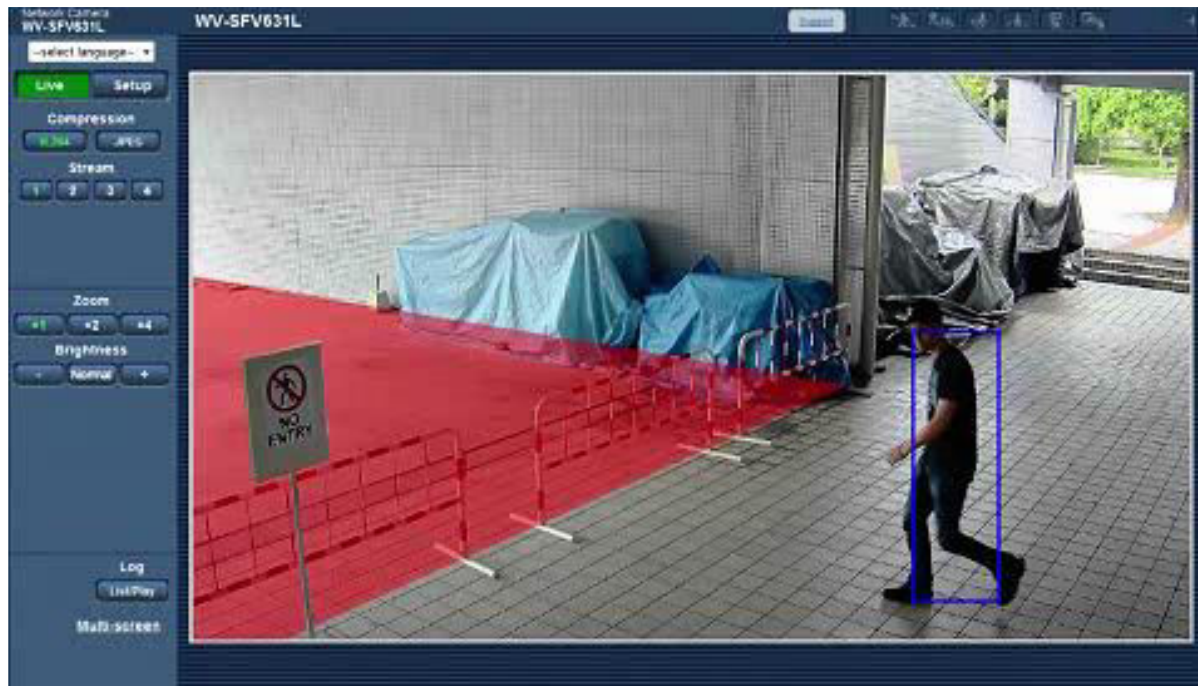
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Provide visibility Images Under Temperature Changes

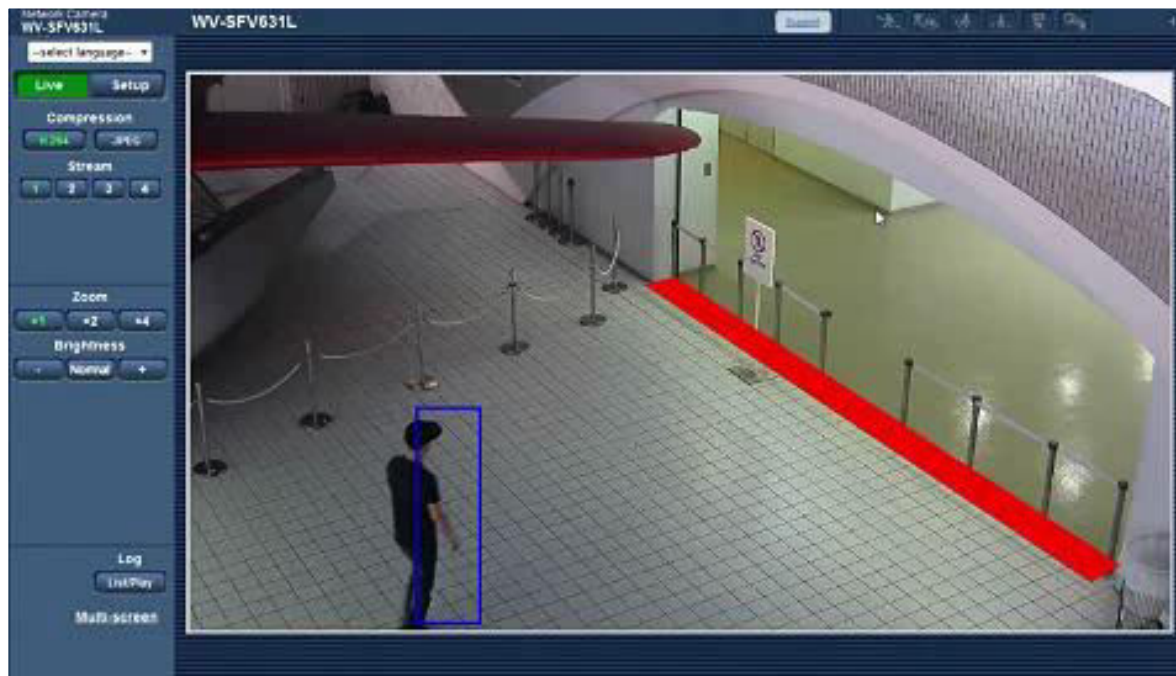
Intelligent VMD (Video motion detection)

Intruder Detection



Intelligent VMD (Video motion detection)

Cross Line Detection



Intelligent VMD (Video motion detection)

Loitering Detection



Intelligent VMD (Video motion detection)

Abandoned Object Detection

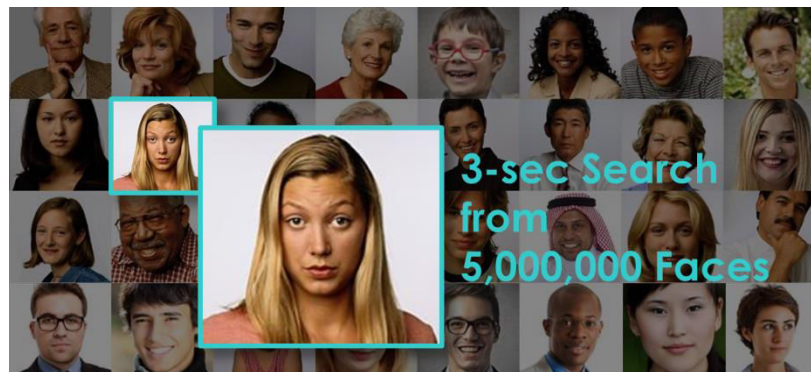
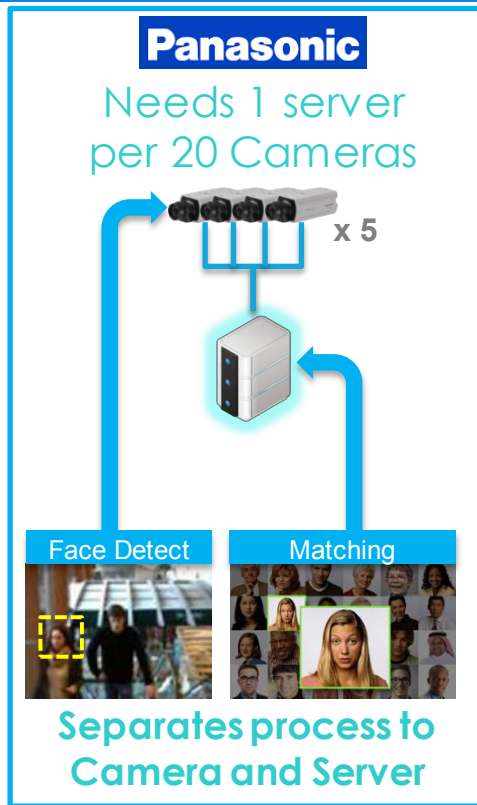
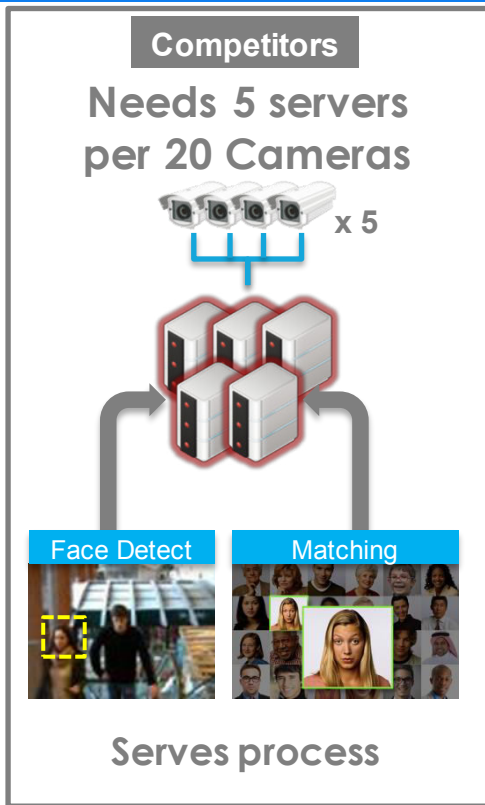


Intelligent VMD (Video motion detection)

Removed Object Detection



Face Recognition



**Reduces
Total Cost Ownership**

i-PRO Analysis

Video Analysis

Heat Mapping



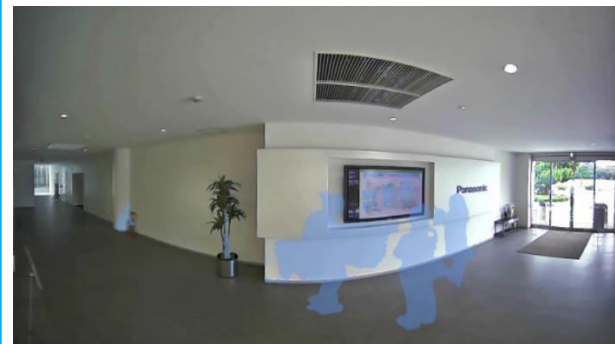
Analyze high-traffic and long-stay zones

People Counting



Take a head count of visitors crossing the line

People Masking



Protects the privacy with masking people

i-PRO Analysis

People Masking

Camera based **Only Panasonic**



People masking



NVR



PC based

Existing camera



NVR

People masking



People masking Server



Competitor



We can't look at objects behind person...

VS

Panasonic



We can look at objects behind person!!



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