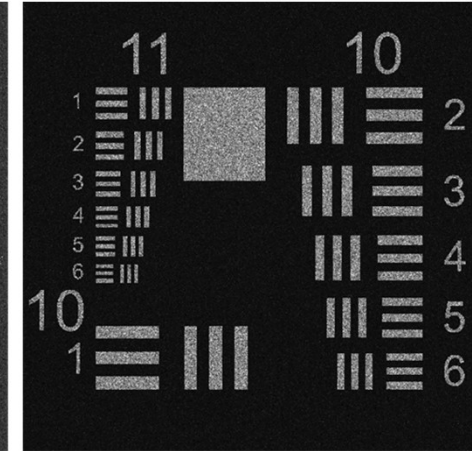
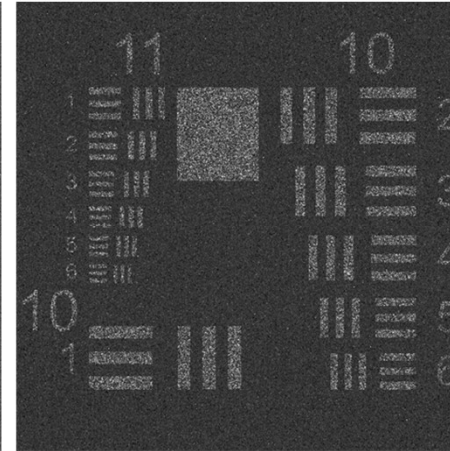
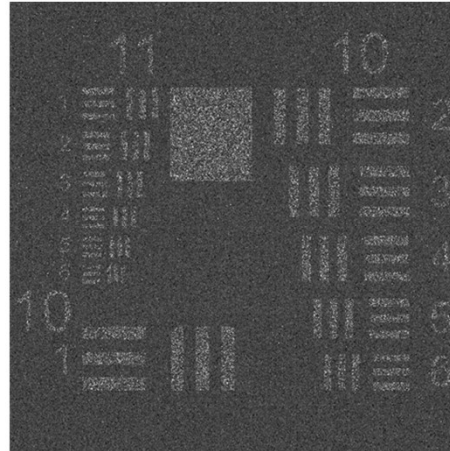
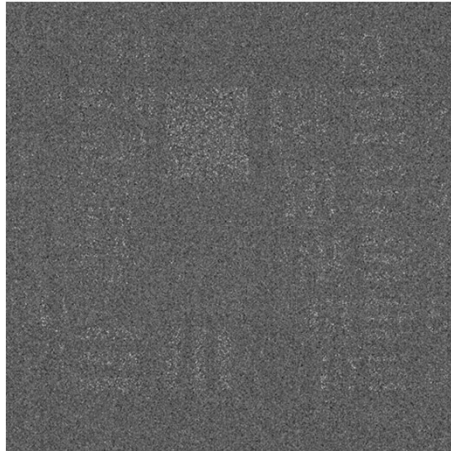
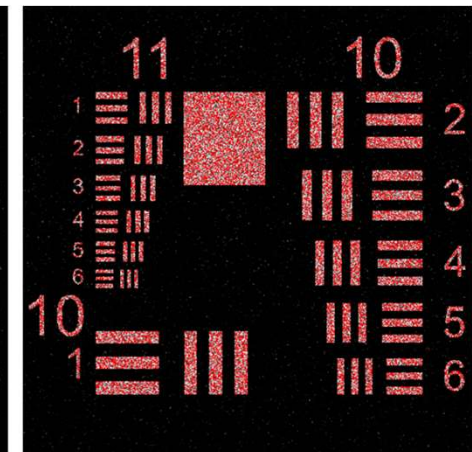
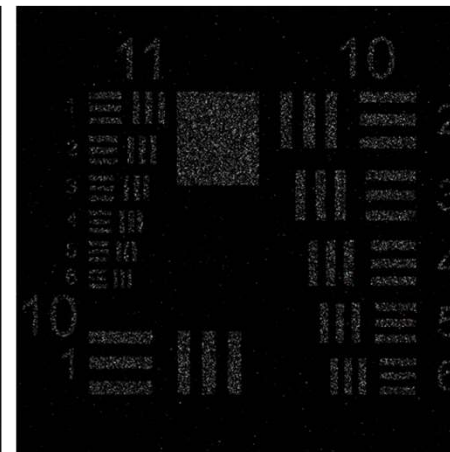
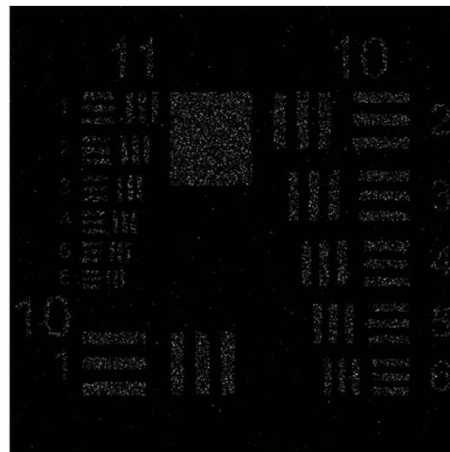


Background = 0

qCMOS
(ORCA-Quest,
Ultraquiet scan)



EMCCD
(ImagEM X2,
1000x gain)



Photon intensity
(photons/pixel/frame)

0.1

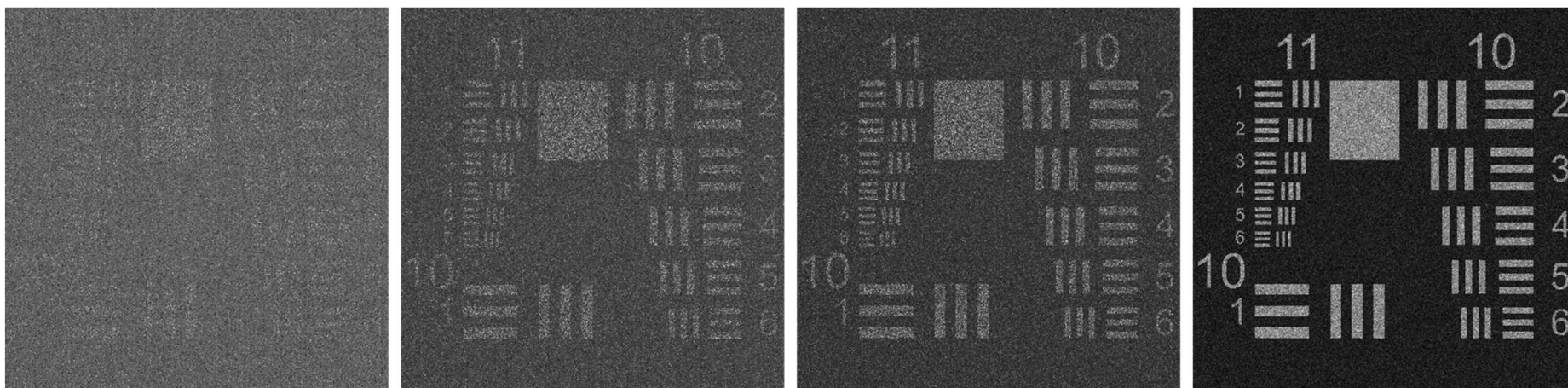
0.5

1.0

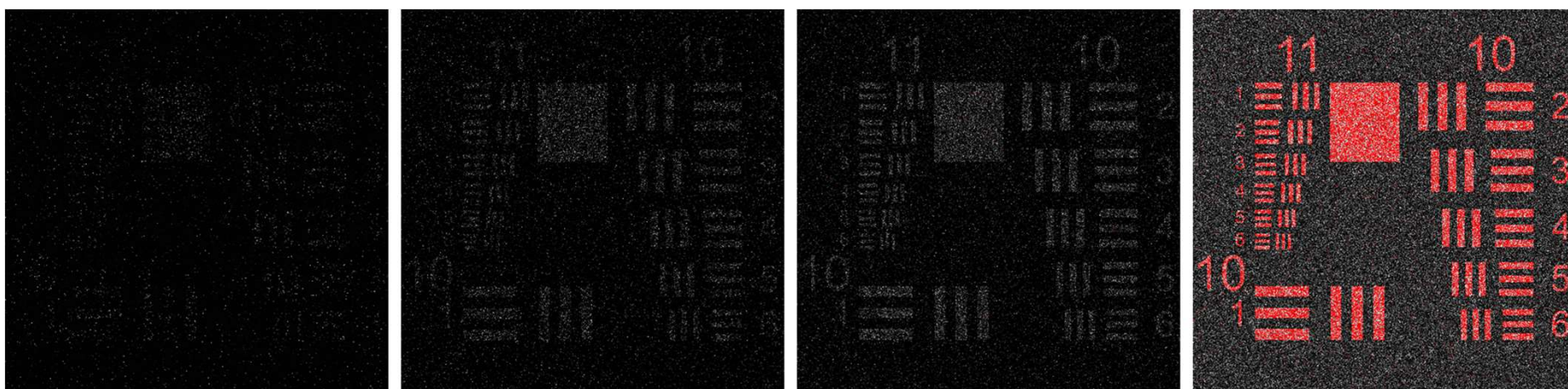
10

$$\text{Background} = \text{Photon intensity} * 0.2$$

qCMOS
(ORCA-Quest,
Ultraquiet scan)



EMCCD
(ImagEM X2,
1000x gain)



Photon intensity
(photons/pixel/frame)

0.1

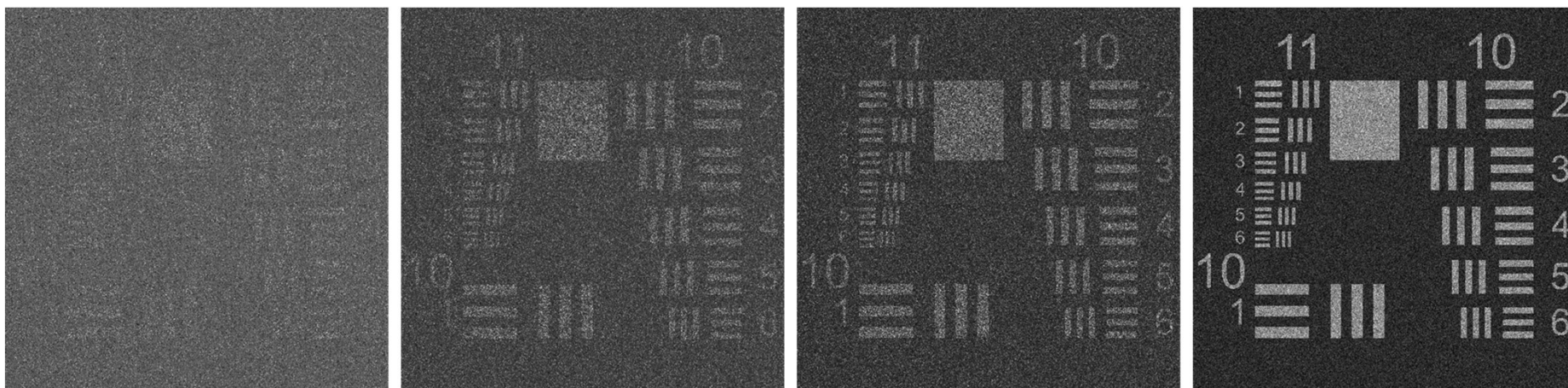
0.5

1.0

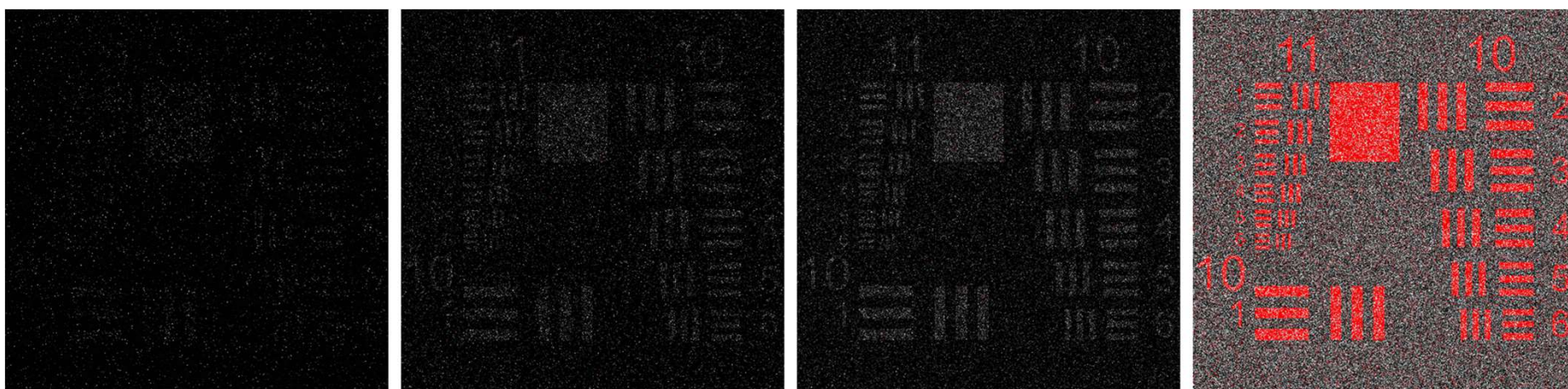
10

$$\text{Background} = \text{Photon intensity} * 0.4$$

qCMOS
(ORCA-Quest,
Ultraquiet scan)



EMCCD
(ImagEM X2,
1000x gain)



Photon intensity
(photons/pixel/frame)

0.1

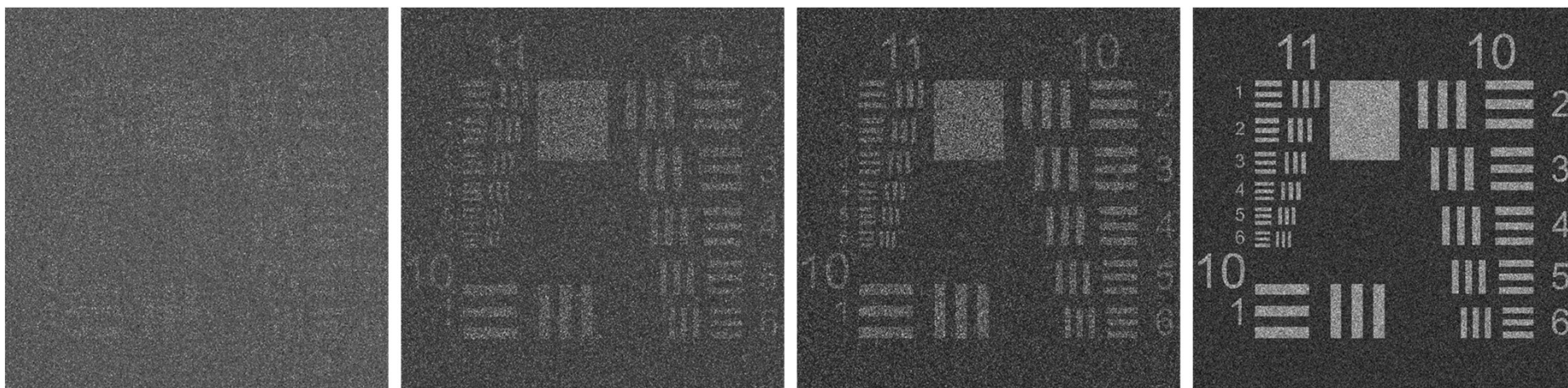
0.5

1.0

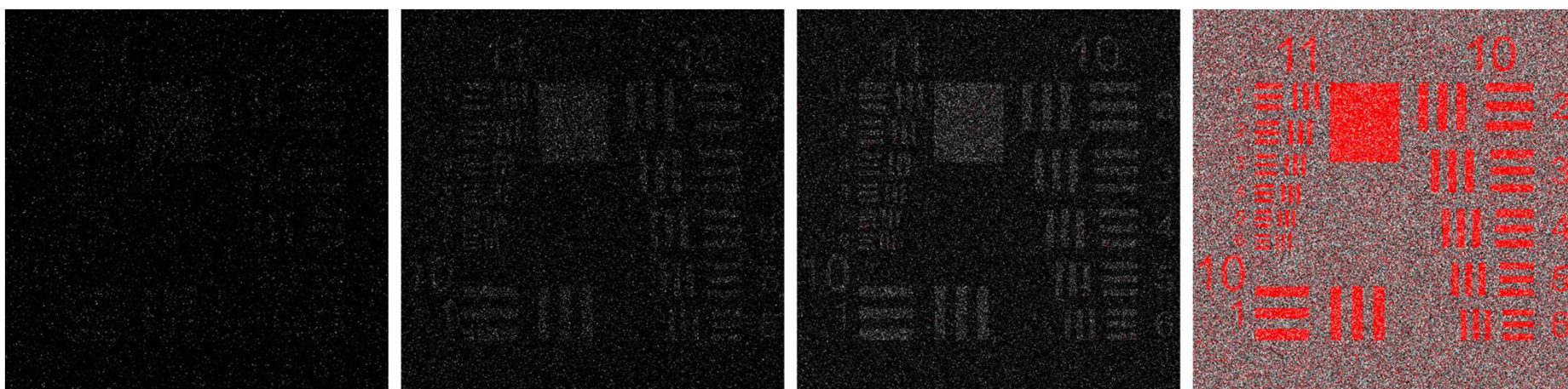
10

$$\text{Background} = \text{Photon intensity} * 0.6$$

qCMOS
(ORCA-Quest,
Ultraquiet scan)



EMCCD
(ImagEM X2,
1000x gain)



Photon intensity
(photons/pixel/frame)

0.1

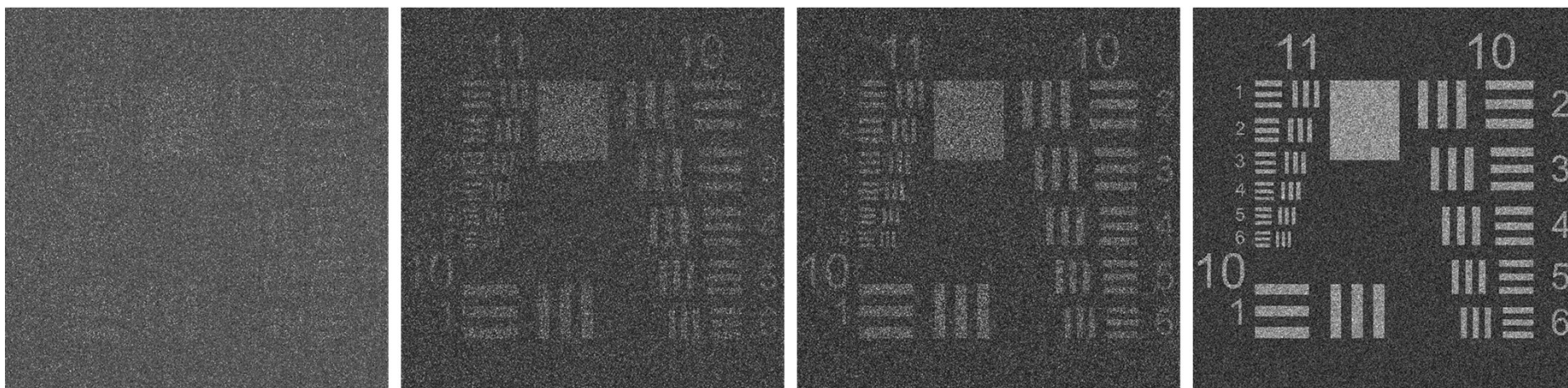
0.5

1.0

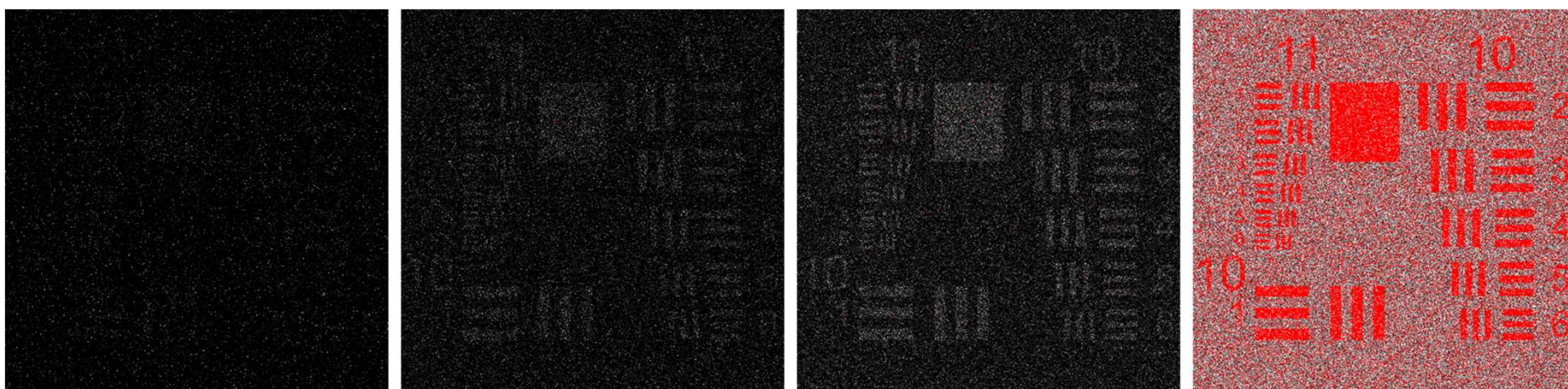
10

$$\text{Background} = \text{Photon intensity} * 0.8$$

qCMOS
(ORCA-Quest,
Ultraquiet scan)



EMCCD
(ImagEM X2,
1000x gain)



Photon intensity
(photons/pixel/frame)

0.1

0.5

1.0

10