



ALLIANCE Q9 ADVANCED

Uvitec's newest high-end full imaging platform, offering the highest levels of sensitivity on the market.



9.2 megapixels
native resolution



Interchangeable
transilluminators



-60°C regulated
camera cooling



Super-wide F/0.90
lens aperture



Fully automated
system & optics

CAMERA & OPTICS

9.2-megapixel native resolution (3380x2704)
18-megapixel extended resolution

Latest generation CCD sensor, QE peak >73%
16-bit camera, 65,535 shades of grey
-60°C regulated, 3-stage Peltier cooling
Panoramic lens (25mm), super-wide F/0.90
4.8 OD dynamic range

24cm, closest sample-to-camera distance
Extra-wide 24x20cm field of view

SOFTWARE

NineAlliance® license-free software:

- Unlimited users & computer installation
- Default and fully-customisable protocols
- Acquisition modes: Auto, Manual, Serial, Preview
- 3D visualization and live-3D acquisition modes

Image enhancement tools: add-text, crop, rotate,
background subtraction, artifact corrections, flat
field, multiplexing...

Unlimited analysis: quantification & normalisation,
molecular weight (colony counting optional)

21CFR part 11 ready (optional CFR21 add-on)

PATENTS & INNOVATION

2017 Q-smart® darkroom concept

Box® concept: interchangeable transilluminators – no
cables/installation required

UviPure® patented technology

ChromaPure® for multiplex fluorescence:

- extra-bright net-LED - 2x as bright as Chroma®
- network of lighting for uniform sample excitation
- new LED filters, customised optics & focal disc

3D-visualization® & live-3D® acquisition mode

DARKROOM

Stainless-steel made for extreme robustness
Long-lasting chemical-resistant Epoxy paint

Full door aperture for easiest darkroom access
Fully slide-out, plug-and-play transilluminator
Fully-motorised 6+1-position wheel, F-590 included
UviPure® patented technology available

100% computer-controlled darkroom
One-click® image acquisition process

ILLUMINATIONS

INCLUDED

- Epi-white LED panels
- Chemiluminescence-ready
- BioPanel® RGB LED panels

OPTIONAL

- Large choice of plug-&-play transilluminators:
 - 26M – 312nm, 21x26cm
 - 26MX – 312nm, UviPure®, 21x26cm
 - 26LM – 312+365nm, 21x26cm
 - 26LMX – 312+365nm, UviPure®, 21x26cm
 - 20-White or 20-Blue – 20x20cm
- Upgrade to ChromaPure® net-LED (customisable)
- Conversion screens (white or blue)

APPLICATIONS

- Chemiluminescence: ECL Western Blotting, Luciferase Bioluminescence (in-vivo), spot blots...
- Optional DNA/RNA gels: Ethidium Bromide, Stain-free & safe stains (Gel Red & Green, Midori, SYBR, Bodiplay, DAPI, SYPRO...)
- Fluorescence & multiplexing: Cy dyes, Alexa dyes, Fluorescent proteins, LiCor dyes...
- Optional NIR/ IR fluorescence & multiplexing
- Optional stained protein gels & colonies