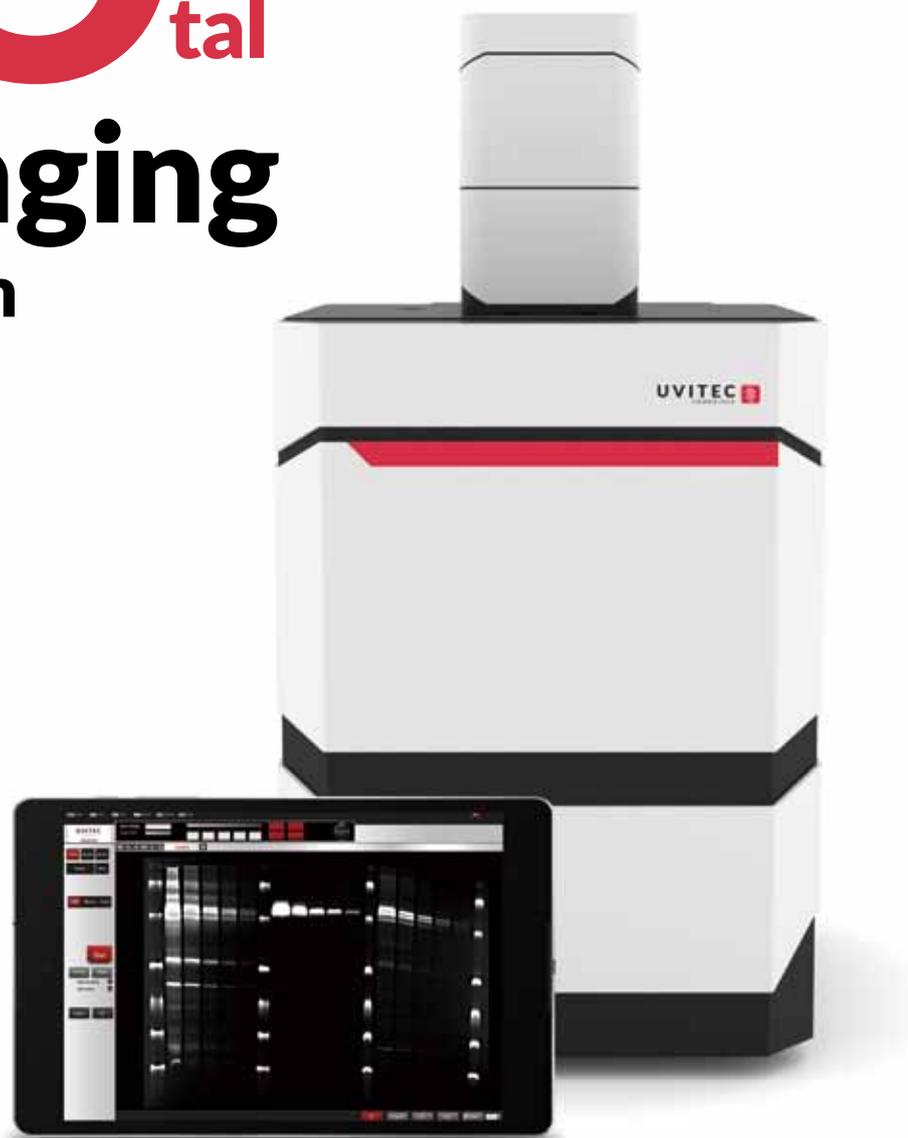


Uvitec
TOtal
Imaging
System



Chemiluminescence Imaging System

Specification



	Alliance Q9 Advanced Manual	Alliance Q9 Advanced Automatic	Alliance Q9 Micro
Focus	Pre-calibrate focus (semi-auto)	Auto-focus	Pre-calibrate focus (semi-auto)
Image resolution	9.2M (Max. 36M)	9.2M (Max. 36M)	9.2M (Max. 36M)
F-value	F/0.8	F/0.8	F/0.8
Dynamic range	OD 4.8	OD 4.8	OD 4.8
Camera cooling	3-step Peltier, < 1min, -60°C	3-step Peltier, < 1min, -60°C	3-step Peltier, < 1min, -60°C
Imaging bits	16 bit 65,535 gray levels	16 bit 65,535 gray levels	16 bit 65,535 gray levels
Filter positions	7-motorized wheel	7-motorized wheel	1
Default Illuminations	White, RGB Biopanel	White, RGB Biopanel	White, RGB Biopanel
Weight	72kg	72kg	25kg
Dimension (mm)	W 470 x D 515 x H 845	W 470 x D 515 x H 845	W 340 x D 430 x H 550
Option	UV/Chroma RGB, NIR, IR	UV/Chroma RGB, NIR, IR	Chemi-only

Alliance

Q9

Advanced

Automatic & Manual

For Chemiluminescence &
Fluorescence Imaging



Smart & Simple

Auto focus
3-year warranty
9-year support
Unlimited users

*New fascinating design
with Automatic front door*

Alliance Q9 Advanced Automatic & Manual Features

1

Great sensors

1 inch cooling CCD chip.
16-bit scientific-grade, all about the image.

2

Accurate quantification

65,535 gray levels for a greater light scale.
OD 4.8 dynamic range.

3

Gorgeous pictures

9.2M native, & up to 36M extended.
f/0.80 custom lens.

4

Unlimited users

100% license-free software. That easy.

5

Open formats

Tiff images. Save, Transfer, Share. Easily.

6

Robust instruments

Stainless-steel made & chemical-resistant.

7

Automatic door

Hands-off, sensor-based automatic door.

Alliance Q9 Advanced Automatic & Manual Applications

Chemiluminescence

Western blotting

Chemiluminescent / ECL westerns, dot blots...

Fluorescence

Optional DNA and RNA gels with fluorescent stains

Ethidium Bromide, GelRed, GelGreen,
SYBR Safe & Green & Gold,
Sypro Ruby, Emerald, Midori Green...

Epi Fluorescence

Optional IR/NIR/RGB multiplexing with up to 8 wavelengths

UV 365nm / Blue 420nm / Blue 460nm / Green
520nm / Red 650nm / Red 690nm / NIR 740nm
/ IR 780nm

Bioluminescence

In-vivo Luciferase and Fluorescence

Luciferin, fluorescent proteins (GFP, RFP, IRFP...)
and stains

Visible Imaging

Optional Colorimetry and Protein gels

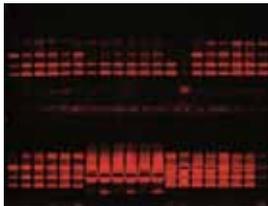
Coomassie Blue, Cooper, Silver-stained,
Red Ponceau, Petri Dish colonies
& colony counting...

Alliance Q9 Advanced Automatic & Manual Benefits



Practicality

- **1-click to image** : effortless acquisition, in no time
- **No manual control** : hands-off, automated routines
- **Fully slide-out tray** : hassle-free sample positioning
- **Mobile sample tray** : painless westerns imaging
- **All-in-one** : acquisition – editing – analysis, straight away



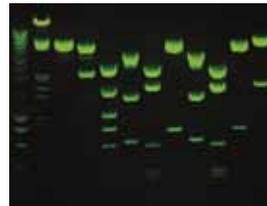
Optics

- **9.2M native** : up to 36M extended, HD pictures
- **f/0.80 custom lens** : unrivalled camera sensitivity
- **-60°C camera cooling** : radical background suppression
- **OD 4.8 dynamic range** : outstanding weak/strong detection ratio
- **65,535 gray levels** : research-level protein quantification



Applications

- **Femtogram-level** : stunning detection of faintest signals
- **Uvipure® technology** : enhanced UV for EtBr and all safe stains
- **Chromapure® modules** : take multiplexing to the next level
- **Confocal discs** : boosted fluorescence signals capture
- **Filters** : up to 18 filters to choose from

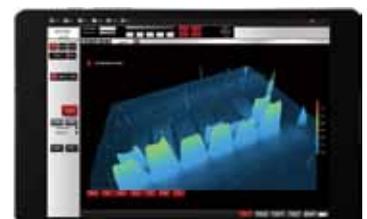


Darkroom

- **Stainless steel** : long-lasting, robust instrument
- **Box® concept** : interchangeable transilluminators
- **Plug-n-play** : upgrade any module, at any time
- **7-position wheel** : and up to 18 filters to choose from
- **Q-smart darkroom** : splendid Alliance-line darkroom

Software - Key Advantages

- **Auto-focus**
images always crisp, in focus
- **Live-3D mode**
unique pre-acquisition tool
- **Serial acquisition**
repetitive, incremental, accumulative...
- **Auto add-marker**
signal, marker and multiplex images
- **Customizable**
all protocols adjustable, endless possibilities
- **Endless editing**
countless tools included
- **Analysis**
quantification, molecular weight, distances, colonies
- **Compliances**
fully GLP and 21-CFR-part-11 compliant



Alliance Q9 Micro

For Chemiluminescence imaging only

Small & Smart

3-year warranty
9-year support
Unlimited users



Alliance Q9 Micro Applications

Chemiluminescence

Western blotting

Chemiluminescent / ECL westerns, dot blots...

Alliance Q9 Advanced *VS* Alliance Q9 Micro

동일한 성능

동일한 감도

동일한 결과

경량의 작은 부피

효율적인 비용

Software - Key Advantages

- **Pre-calibrate focus**
images always crisp, in focus
- **Live-3D mode**
unique pre-acquisition tool
- **Serial acquisition**
repetitive, incremental, accumulative...
- **Auto add-marker**
signal, marker and multiplex images
- **Customizable**
all protocols adjustable, endless possibilities
- **Endless editing**
countless tools included
- **Analysis**
quantification, molecular weight, distances, colonies
- **Compliances**
fully GLP and 21-CFR-part-11 compliant



Alliance Q9 Micro Features

1

Great sensors

1 inch cooling CCD chip.
16-bit scientific-grade, all about the image.

2

Accurate quantification

65,535 gray levels for a greater light scale.
OD 4.8 dynamic range.

3

Gorgeous pictures

9.2M native, & up to 36M extended.
f/0.80 custom lens.

4

Unlimited users

100% license-free software. That easy.

5

Open formats

Tiff images. Save, Transfer, Share. Easily.

6

Robust instruments

Stainless-steel made & chemical-resistant.

7

Smallest footprint

Fits in the most crowded labs.

Alliance Q9 Micro Benefits



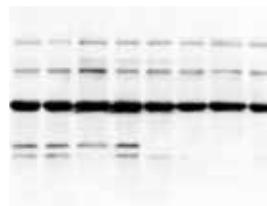
Practicality

- **Space saving** : smallest footprint, shortest size
- **Lightweight** : easily carried around & taken anywhere
- **Auto-exposure** : ideal exposure time, for every sample
- **Mobile sample tray** : painless westerns imaging
- **All-in-one** : acquisition - editing - analysis, straight away



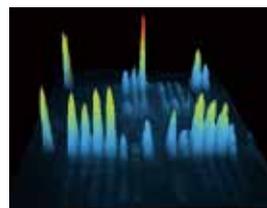
Optics

- **Pre-calibrate focus** : effortless acquisition process
- **9.2 megapixels** : massive resolution for truly HD pictures
- **f/0.80 custom lens** : unrivalled camera sensitivity
- **-60°C camera cooling** : exceptional signal/noise ratio
- **65,535 grey levels** : research-level protein quantification



Applications

- **Protein dedicated** : perfect western blotting station
- **Femtogram-level** : stunning detection of faintest signals
- **ECL western blotting** : ideal for X-ray film replacement
- **Quantitation** : Ideal protein quantification & normalization



Darkroom

- **Q-smart darkroom concept** : brand-new Alliance™ design
 - **Smallest footprint** : fits in the most crowded labs
 - **Epoxy paint** : chemical resistant and longevity
 - **No filter wheel** : easy to use
-

Uvidoc HD6

For DNA &
Protein gel imaging

Easy & Simple

3-year warranty
9-year support
Unlimited users

*Unique stand-alone
platform & voice-controlled
gel workstation*



Uvidoc HD6 Applications

Fluorescence

DNA and RNA gels with fluorescent stains

Ethidium Bromide, GelRed, GelGreen, SYBR Safe & Green & Gold, Sypro Ruby, Emerald, Midori Green...

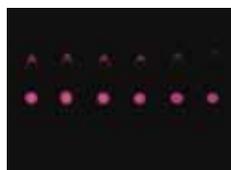
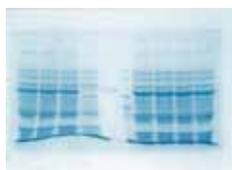
Visible Imaging

Optional Colorimetry and Protein gels

Coomassie Blue, Cooper, Silver-stained, Red Ponceau, Petri Dish colonies & colony counting...

Software - Key Advantages

- **Auto-focus**
images always crisp, in focus
- **1-touch concept**
capture, save, print. One touch only
- **Live-3D mode**
unique pre-acquisition tool
- **Customizable**
all protocols adjustable, endless possibilities



Uvidoc HD6 Features

1

Great sensors

16-bit scientific-grade, all about the image.

2

Accurate quantification

65,535 gray levels for a greater light scale. USB drive, WIFI and network capability

3

Gorgeous pictures

6-mpx native, & up to 24-mpx extended

4

Unlimited users

100% license-free software. That easy.

5

Open formats

Tiff images. Save, Transfer, Share. Easily.

6

Robust instruments

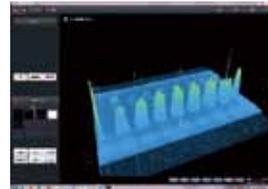
Stainless-steel made, & chemical-resistant.

7

Voice-Control[®] option

you may now acquire, save and print images with a single word

Uvidoc HD6 Benefits



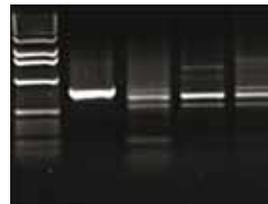
Practicality

- **1-touch to image** : effortless acquisition, in no time
- **No manual control** : hands-off, automated routines
- **Fully slide-out tray** : hassle-free sample positioning
- **26×21cm FOV** : large field of view for larger samples



Optics

- **6,000,000 pixels** : superb, publication-level images, up to 24MP
- **65,535 gray levels** : research-level protein quantification
- **6× zoom lens** : responsive optics for a versatile imaging area
- **Passive cooling** : reduced noise for clearer images



Applications

- **Uvipure[®] technology** : enhanced UV for EtBr & all safe stains
- **Multi-functions** : optional screens for extended applications
- **3-position filter wheel** : and up to 18 filters to choose from
- **Fully-customizable** : 100% adjustable parameters and protocols



Darkroom

- **Stainless steel** : long-lasting, robust instrument
 - **Customizable** : large choice of transilluminators
 - **Giant 12.2" HD screen** : larger images, unrivalled ease of use
 - **Real on-board computer** : way more powerful than tablets
-

FireReader V10

High-end Gel-doc system for
DNA & protein gel imaging

Easy & Smart

3-year warranty
9-year support
Unlimited users

*Super-powerful,
multi-applications,
full imaging platform*



FireReader V10 Applications

Fluorescence

DNA and RNA gels with fluorescent stains

Ethidium Bromide, GelRed,
GelGreen, SYBR Safe & Green &
Gold, Sypro Ruby, Emerald, Midori
Green...



Epi Fluorescence

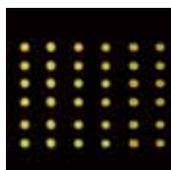
Epi blue LED illumination

Gels and blots with GFP, eGFP,
Cy2, Alexa 488, FITC, Atto 465,
DyLight 488...



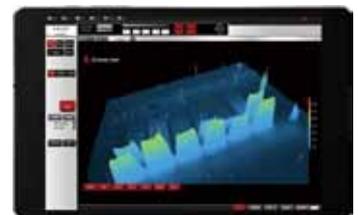
Optional Epi dual-UV 254 & 365nm illumination

TLC plates, Qdots...



Software - Key Advantages

- **Auto-focus**
images always crisp, in focus
- **Live-3D mode**
unique pre-acquisition tool
- **Customizable**
all protocols adjustable, endless possibilities
- **Endless editing**
countless tools included
- **Analysis**
quantification, molecular weight, distances, colonies
- **Compliances**
fully GLP and 21-CFR-part-11 compliant



FireReader V10 Features

1

Great sensors

16-bit scientific-grade, all about the image.

2

Accurate quantification

65,535 gray levels for a greater light scale.

3

Gorgeous pictures

6-mpx native, & up to 24-mpx extended

4

Accurate quantification

65,535 gray levels for a greater light scale.

5

Open formats

Tiff images. Save, Transfer, Share. Easily.

6

Robust instruments

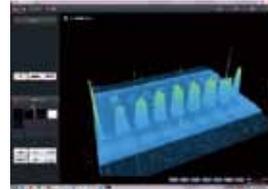
Stainless-steel made, & chemical-resistant.

7

9-year support

All parts available for 10 years from purchase date

FireReader V10 Benefits



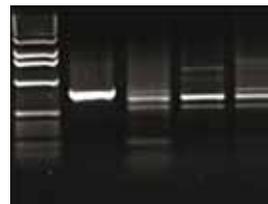
Practicality

- **11-touch to image** : effortless acquisition, in no time
- **No manual control** : hands-off, automated routines
- **Fully slide-out tray** : hassle-free sample positioning
- **All-in-one** : acquisition – editing – analysis, straight away



Optics

- **6,000,000 pixels** : superb, publication-level images, up to 24MP
- **65,535 gray levels** : research-level protein quantification
- **6× zoom lens** : responsive optics for a versatile imaging area
- **Passive cooling** : reduced noise for clearer images



Applications

- **Uvipure[®] technology** : enhanced UV for EtBr & all safe stains
- **Epi blue light** : cover more apps such as GFP, eGFP, Cy2, FITC
- **Quantitative analysis** : against one or several band(s) of reference
- **Fully-customizable** : 100% adjustable parameters and protocols



Darkroom

- **Stainless steel** : long-lasting, robust instrument
 - **Customizable** : large choice of transilluminators
 - **6-position wheel** : and up to 18 filters to choose from
 - **Compact design** : small footprints and easy fit
-

Gel Imaging System Specification



	Uvidoc HD6	FireReader V10	Uvisave Q9
Type	Stand-alone	Computer-based	Stand-alone with lift-off hood
Native resolution	6MP	6MP	3MP
Image resolution Max.	24MP Max.	24MP Max.	12MP
Filter positions	3	6	1
Transilluminator	Plug-n-Play	Plug-n-Play	Excluded
Epi LED Panel	white	white / blue	white
Screen	12.2"	-	12.2"
Option	Voice Control	epi-UV	-

(주)바이오디

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