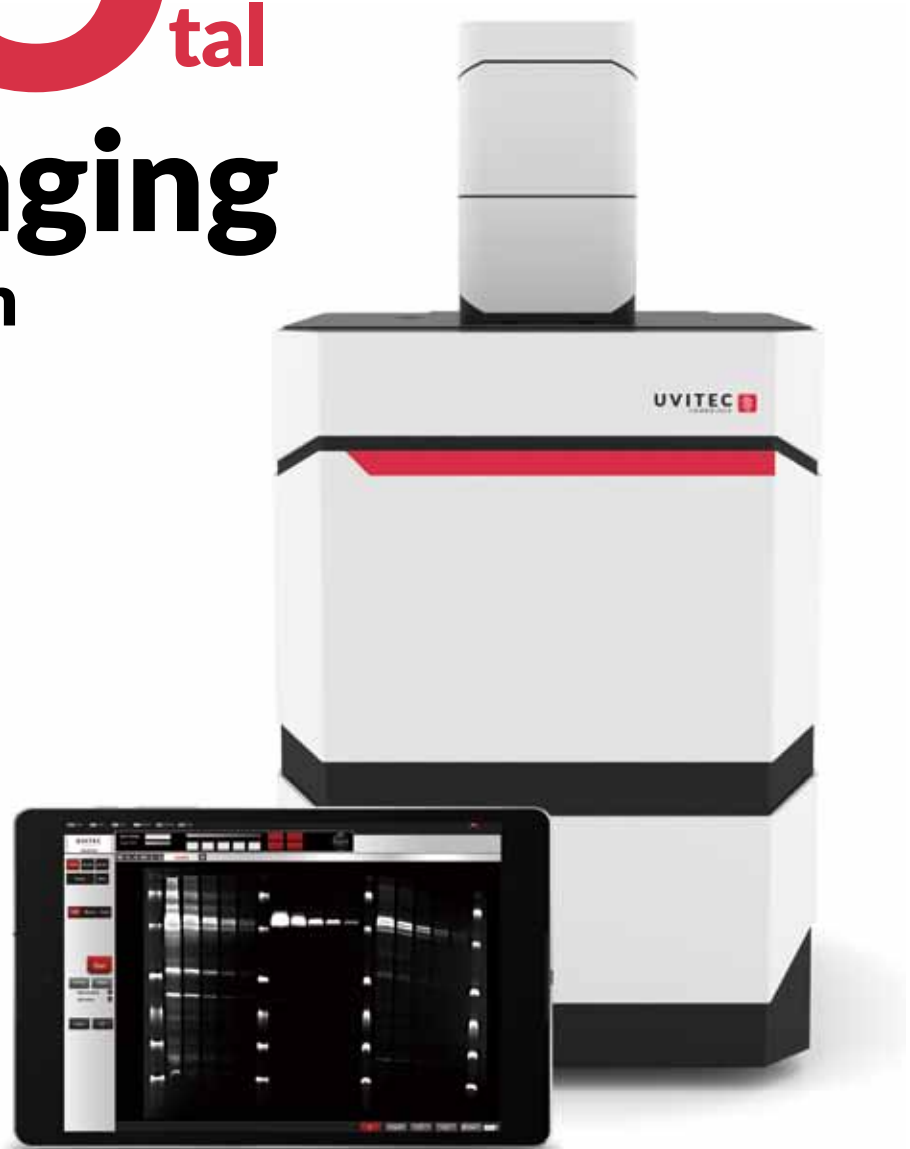


Uvitec  
**TO**<sub>tal</sub>  
**Imaging**  
System



# 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℃	3-step Peltier, < 1min, -60℃	3-step Peltier, < 1min, -60℃
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...

---

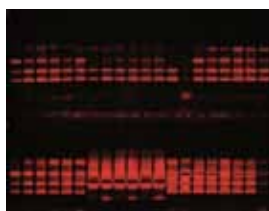
# Alliance Q9 Advanced Automatic & Manual Benefits



## 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

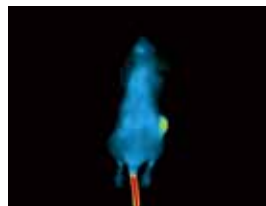


## Optics

- **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

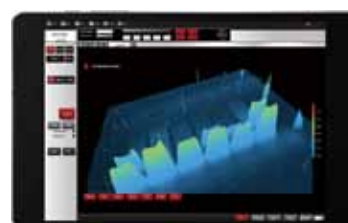
- **Plug-n-play** : upgrade any module, at any time
- **7-position wheel** : and up to 18 filters to choose from
- **Q-smart darkroom** : splendid Alliance-line darkroom

---

## 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

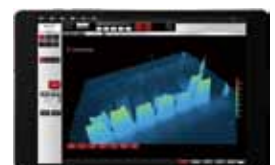
동일한  
결과

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

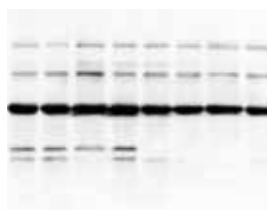


### Optics

- **Pre-calibrate focus** : effortless acquisition process
- **9.2 megapixels** : massive resolution for truly HD pictures
- **f/0.80 custom lens** :

unrivalled camera sensitivity

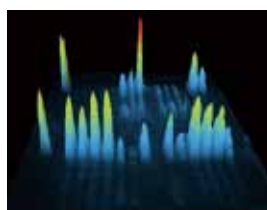
- **-60°C camera cooling** : exceptional signal/noise ratio
- **65,535 grey levels** : research-level protein quantification



### 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
-

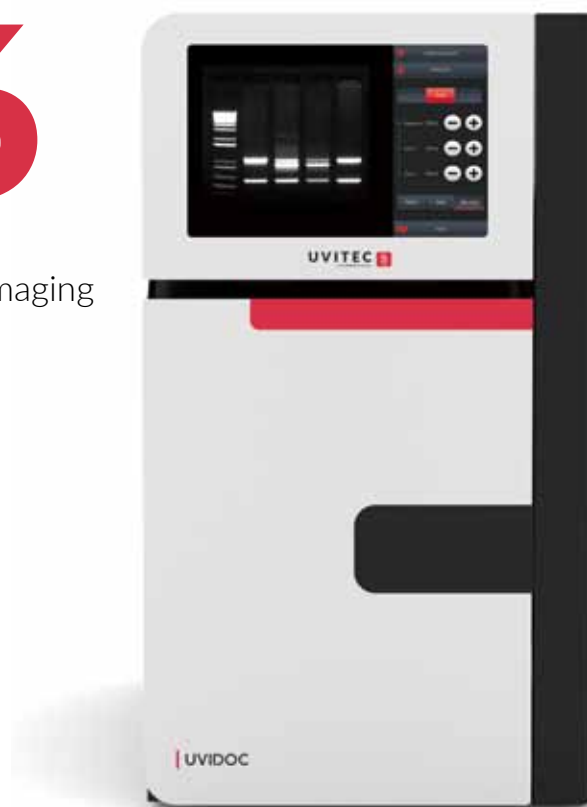
# Uvidoc HD6

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...

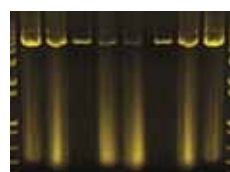
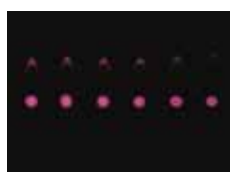
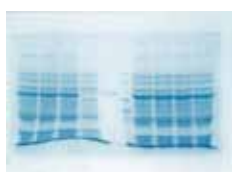
### Visible Imaging

#### 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.

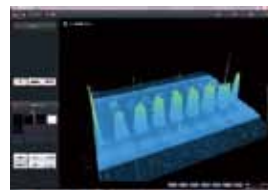
# 7

### Voice-Control® option

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

---

## Uvidoc HD6 Benefits



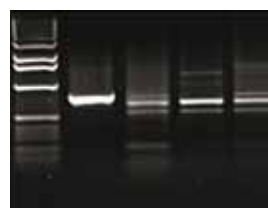
### Practicality

- **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

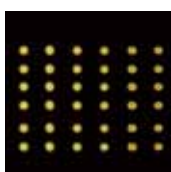
#### Epi blue LED illumination

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



#### Optional Epi dual-UV 254 & 365nm illumination

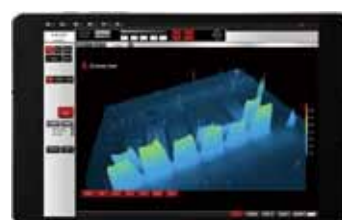
TLC plates, Qdots...



---

## 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.

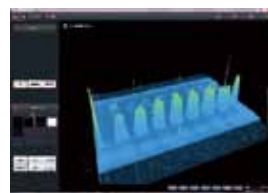
# 7

### 9-year support

All parts available for 10 years from purchase date

---

## FireReader V10 Benefits



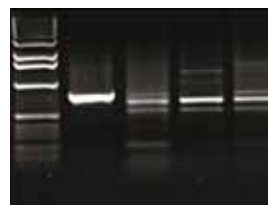
### Practicality

- **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

(우.14322) 경기도 광명시 하안로 60 광명테크노파크 A동 1101호 [www.biod.co.kr](http://www.biod.co.kr)  
T\_02.6264.3399 F\_02.6264.3400 E\_고객: cs@bio-d.co.kr / 업체: ds@bio-d.co.kr

