

Questionnaire for VISULEX Ex-Camera Systems

Please answer the questions below as completely as possible. These will help us to prepare a specification and quotation for your application.

Should you have any further questions, please contact our lumiglas division:

Phone: +49(0)2304/205-0, Fax: +49(0)2304/205-206, e-mail: info.lumi@papenmeier.de

Details to address of sender

our Ex-Camera Project Ref.	
Name:.....	Title:.....
Company:.....	Phone: Fax:
Address:	e-Mail:
.....	

1. Application

- In-Plant Surveillance Outdoor Surveillance
 Process Observation in closed tanks (vessel, reactor, pipeline etc.)
 Observation of other production procedures

Description of primary subject viewed:

Level of Detail required:

Longest Distance (camera lens to subject) viewed: ca.m

Shortest Distance (camera lens to subject) viewed: ca.m

Field of view:

Shortest Distance: Width x Height (Length) in m: m xm

Longest Distance: Width x Height (Length) in m: m xm

Lens type required: Zoom Fixed

2. Camera, Control Box & Monitor Environment:

The Control Box is connected between camera and monitor, and serves beside others as power supply unit for the camera.

Camera Environment: Ex-Hazardous Ex-zone..... Ex-temperature class

Non Ex Dust Wet Corrosive Sanitary Other

Ambient Temperature: Min.°C Max.°C

Distance between camera and Control Boxm

Distance between monitor (observer) and control Boxm

Power supply: 230 V ~ 120 V ~ other (only AC)

Colour System: PAL (Europe) NTSC (U.S.)

Details to location of monitor (in non Ex area)

Details to location of Control Box (in non Ex area)

(Location of Control Box for camera (zoom and focus) should be in a safe area, e.g. next to monitor!)

(note: whenever possible location of Control Box and monitor should be outside of the ex-hazardous area;

within ex-zones much additional expenses for ex-specific design will have to be considered!.)

Do you require a suited monitor: yes no, already available

3. Illumination

- Existing Lighting Day? yes no
Existing Lighting Night? yes no
Sufficient illumination is general available? yes no
Direct influence on sunrays? yes no
Is glare protection necessary? yes no
Extra lighting required? yes no
(Lumiglas-Ex-Luminaires)
Supply voltage:V
Additional sightport required for extra lighting? yes no

4. Process Observation (in reactors)

- Camera to be installed on circular sightglass fitting?
 yes no
 sightglass fitting available sightglass fitting required
Sightglass fitting size:
Viewing Diametermm or Nominal Boremm
Vessel Material (e.g. 316L, 304):
Sightglass fitting material (as far as other):
Max. internal Vessel Temperature:°C
Vessel Contents/product:
Pressure max. bar

5. Mounting/Installation of the Camera (outdoor surveillance)

- Camera Mounting Surface:
Surveillance: wall ceiling corner tower roof
Description of required mounting:
Mounting surface material:

6. Software/Hardware Requirements

- Is camera image to be integrated into computer system?
 no yes, operation system
Is image capturing software required?
 yes no

7. Do you require just a camera?
A complete system?
Inclusive installation?
Inclusive start up operation?
A maintenance contract?

Please add any further information on extra sheets.

Date Signed

Please return to:

F.H. Papenmeier GmbH & Co. KG, P.O.Box 1620, D-58211 Schwerte,
Tel.: +49-2304/205-0, Fax: +49-2304/205-206, E-mail: info.lumi@papenmeier.de, www.lumiglas.de