3VR BY IDENTIV VIDEO DATA PLATFORM
FACIAL SURVEILLANCE REFERENCE SHEET
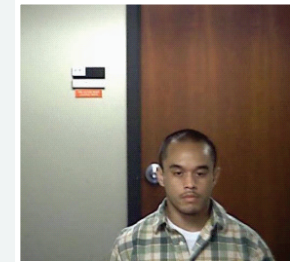
3VR by IDENTIV

FACE CAPTURE OPTIMIZATION

- Balanced Lighting — Wide dynamic range in the face.
- Horizontal Angle — Both ears visible.
- Vertical Angle — Use chart or formula below.
- Field of view (Head Size) — No more than 4.5 feet.
  No wider then wrists of outstretched arms.
  Face/Head at least 1/7 or 15% of width of image.

Note - Analog source
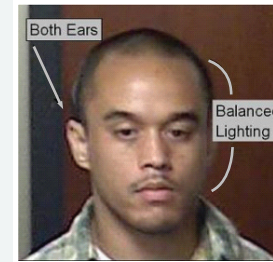
Note - Analog source (4 ft. wide)

MAXIMUM CAMERA MOUNTING HEIGHT — BASED ON AVERAGE FACE HEIGHT OF 5' AND A MAXIMUM VERTICAL SLOPE OF 20%

Distance to Face:	8'	10'	12'	15'	20'	25'	30'	35'	40'	50'
Max. Mounting Height:	6.6'	7'	7.4'	8'	9'	10'	11'	12'	13'	15'

Equation: $(.2 \times D) + E = H$

D = Distance to Face

E = Average Eye Height (5')

H = Max Mounting Height

LENS FOCAL LENGTH

Distance to Face:	10'	20'	30'	40'	50'	60'
4.5 ft. wide	11mm	22mm	33mm	44mm	55mm	66mm

ADDITIONAL KEY FACTORS

Traffic flow	- High traffic (elevator, lobby door) - Destination point (lobby desk, hallway)	- Where people look - Normal pace
Lens	Varies in each application — generally recommend 5-50mm	
Event Length	Recommended 3 seconds (minimum 2 seconds)	
Camera features	- Varies on application - Black & white (low light)	- BLC (Back Light Compensation - Manual/Auto-Iris (as appropriate to application)
High quality applications	- Bank teller station - Entrance doors - Hallways (approx 4.5 ft wide)	- Queue lines **Controlled traffic is ideal
Low quality applications	- Open lobby - Outdoor areas	- Entrance w/bright back light - Courtyards

MEGAPIXEL CAMERA TABLE — FOV WIDTH

Resolution	Megapixels	Width For Face (ft)
1024 x 768	0.7	6.5
1280 x 1024	1.3	8.0
1600 x 1200	2	10.5
2048 x 1536	3	13.5

INSTANT FACE RECOGNITION FEEDBACK

For instant feedback on face capture, input the live feed, turn face finding on the appropriate channel and conduct a walk-through on that channel. Go to the Monitor panel and choose to view the "Face" event type.