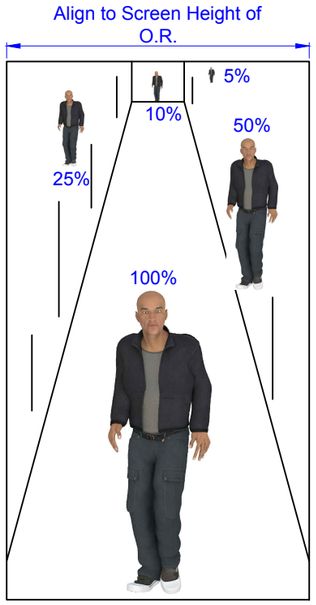
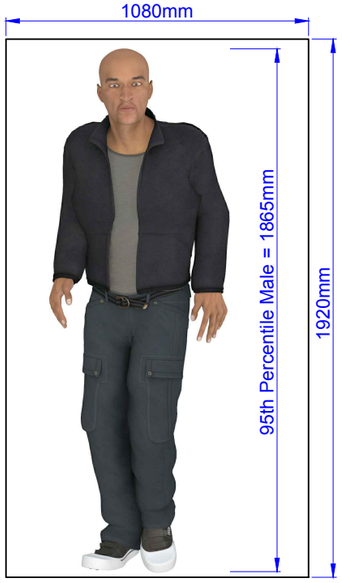


90 degree rotated Corridor View (Recognition View shown) - consider for corridors or along fencelines/walls
Note - if specifying Cameras with Corridor View - have a dedicated monitor also rotated at 90 degrees to maximise functionality

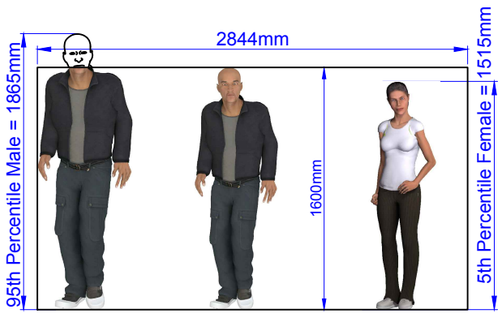


90 degree rotated 'Portal' View - **Inspect** Quality 1000px/m using 1080p Camera.
Consider for Doorways or Turnstiles - allows High Quality image of whole person including Clothing and Footwear

IEC 62676-4 - Table 3

Table 3 – Person screen height equivalent for different digital resolutions (in percent)

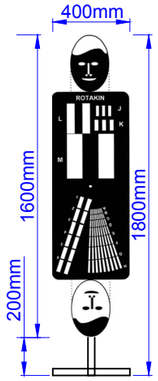
Category	PAL	NTSC	1080p	720p	WSVGA	SVGA	4CIF	VGA	2CIF	CIF	QCIF
Inspect	400	450	150	250	300	300	300	350	600	600	1200
Identify	100	120	40	60	70	70	70	85	150	150	300
Recognise	50	60	20	30	35	35	35	45	70	70	150
Observe	25	30	10	15	20	20	20	25	35	35	70
Detect	10	10	10	10	10	10	10	10	15	15	30
Monitor	5	5	5	5	5	5	5	5	10	10	15



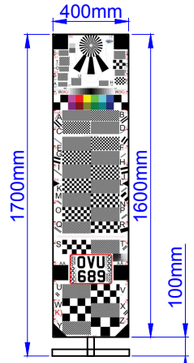
Setting up the Camera so that the 1600mm target completely fills the screen will result in taller targets extending above the edge of the image - negating the value of the camera.
It is good practice to set the height for top of screen at approximately 2100 to facilitate 99th Percentile Males

'Corridor View' - The Focus of Interest occupies more of the screen - therefore more images can be displayed.
'Critical' Cameras should be positioned towards the Centre of the Video Display / Video Wall

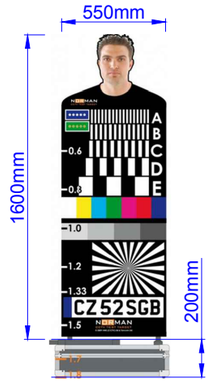
CCTV Test Target A4 aligned to IEC 62676-4



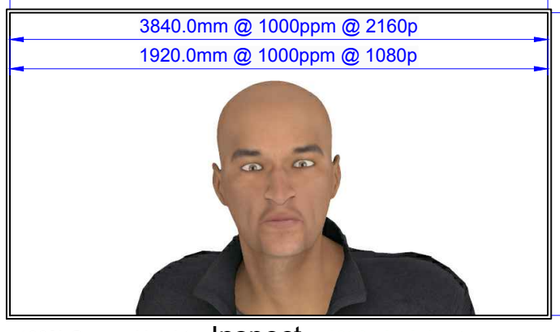
ROTAKIN CCTV Test Target (Obsolete)



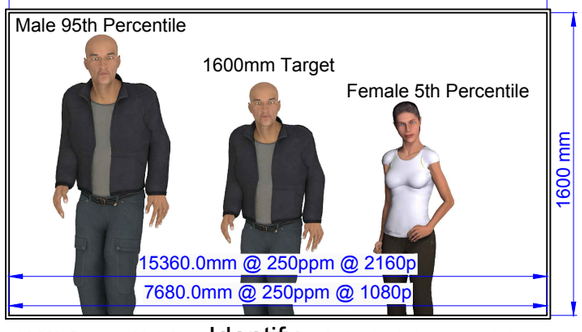
SGW-R 'VIC' CCTV Test Target 400mm x 1600mm aligned to IEC 62676-4



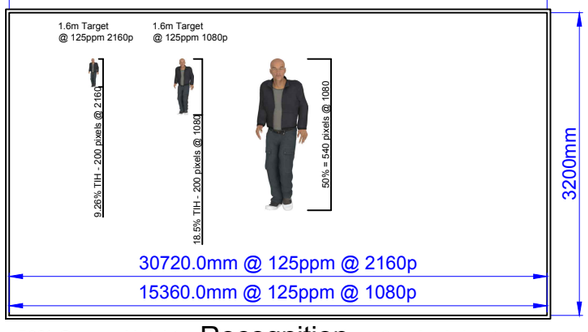
NORMAN CCTV Test Target (Obsolete)



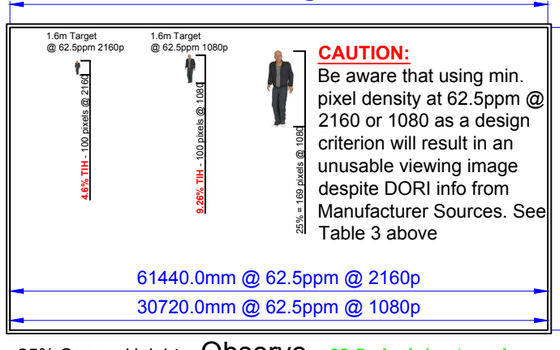
400% Screen Height = **Inspect** = **1000 pixels/metre**
= 2700 pixels/metre @ 1080p.



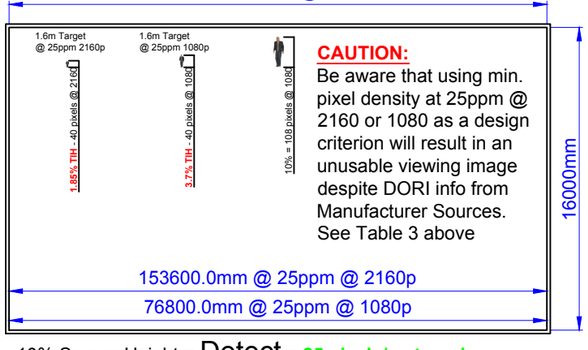
100% Screen Height = **Identify** = **250 pixels/metre minimum**
= 675 pixels/metre @ 1080p.



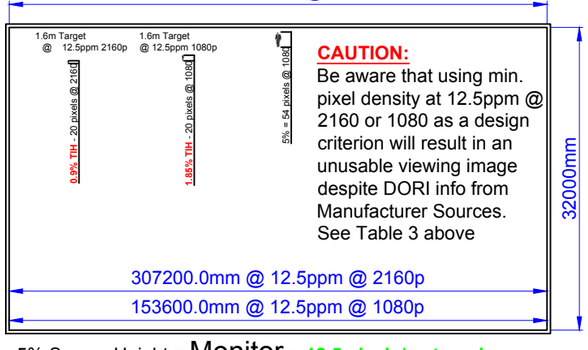
50% Screen Height = **Recognition** = **125 pixels/metre min**
= 338 pixels/metre @ 1080p.



25% Screen Height = **Observe** = **62.5 pixels/metre min**
= 169 pixel/metre @ 1080p.



10% Screen Height = **Detect** = **25 pixels/metre min**
= 68 pixels/metre @ 1080p



5% Screen Height = **Monitor** = **12.5 pixels/metre min**
= 33.8 pixels/metre @ 1080p.

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Notes :
SGW-R 'VIC' CCTV Target is 1600mm Tall (as per IEC 62676-4)
Should be mounted on 100mm Stand. Top of Target is thus 1700mm tall. Target Dimension of 1600mm x 400mm is retained but Rotakin now obsolete due to withdrawal of ISO 50132-7 in its entirety.

Standing Height (Percentiles in accordance with ISO 11064-3)
95th Percentile Male = 1865mm / 73.4 ins
5th Percentile Female = 1515mm / 59.6 ins
The difference in Height between Male 95th percentile and Female 5th percentile is 350mm

If you place the target in the centre of the view, anything beyond the target will not comply with the operational requirement - thus wasting a proportion of the view. Ideally place top of field of view at 2100mm or as per Operational Requirement.

Image FoV Sizes are defined by IEC 62676 - 4
All Screen widths shown are 'at target'. Primary FoV types is percentage screen height; secondary FoV based upon pixels per meter and must be greater than the ppm shown in **Green.**

DORI (Detect, Observe, Recognise, Identify) Figures are often provided by Manufacturers; the information is accurate but misleading - refer to the FoV Graphics for details.

Note that pixels per metre is a secondary criterion within IEC 62676-4. Use of ppm as a criterion is not recommended for Detection and Monitoring with 1080p or greater resolutions unless an Artificial Intelligent (AI) Engine is configured to utilise that resolution. See IEC 62676-4 Table 3 for more information (in this document).

All items subject to copyright except ROTAKIN ISO 50132-7 and Table 3 extract from IEC 62676-4 2015

Rev. No.	Description	Date	Drawn	Checked	Approved
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Owner :
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Project :
CCTV IMAGE TYPES
FIELD OF VIEW SET-UP

Engineering Consultant :
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London, W1T 5HP, United Kingdom
simon@sgw-consulting.co.uk

Security Consultant :

Drawing Title :

PIXEL DENSITY IMAGE DISPLAY
HD & MEGAPIXEL CAMERAS

Drawing No.	Rev.
SGW-R-SY-FOV-01-001	00

Date.	Scale.	Drawn.	Checked.	Approved.
04/01/21	NTS @ A3	Sam	SS	SW