

Lund, December, 2016

## **Regarding general tender specifications for Government projects in Thailand**

At Axis Communications, we believe in a close cooperation with our partners and provide a full range of sales, marketing and technical support from our Headquarters in Sweden.

Following the recently adopted requirements by local authorities, Axis submits this document in order to fulfill the specific needs of the market in Thailand.

In regard to the level of minimum illumination needed to obtain images as according to Axis standard of image quality, we provide the following information for The Minimum illumination

The following pages detail additional tests we have done with our cameras to provide minimum illuminations under different light conditions and shutter speeds.

### ***About Axis' measurement of minimum illumination***

*Axis measures the minimum amount of illumination required by Axis network video products to produce images of a specified quality. The MMI (Measurement of Minimum Illumination) method described in our technical note applies solely to camera blocks developed by Axis Communications AB. The Axis MMI method is based on the CEA-639 standard, "Consumer Camcorder or Video Camera Low Light Performance". For detailed information, see the AXIS technical note on the MMI method.*







### **References:**

AXIS Technical Note (MMI): [http://www.axis.com/files/tech\\_notes/Axis\\_MMI.pdf](http://www.axis.com/files/tech_notes/Axis_MMI.pdf)

AXIS whitepaper (The challenge of minimum illumination):

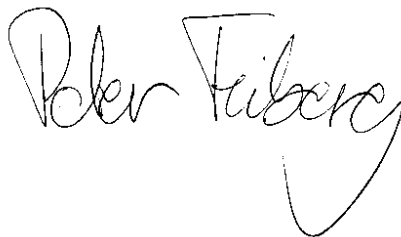
[http://www.axis.com/files/whitepaper/wp\\_light\\_sensitivity\\_41137\\_en\\_1011\\_lo.pdf](http://www.axis.com/files/whitepaper/wp_light_sensitivity_41137_en_1011_lo.pdf)

Test Environment and Result for P1405-E & P1405-LE:

Room Dimension	4m x 5m x 2.8m	
Object Distance	150 cm	
Room illumination	Color mode : 0.1 Lux	B/W mode : 0.01 Lux
Shutter time:1/25 Sec		
Shutter time:1/12 Sec		
Shutter time : 1 Sec		

From the test result above, we confirm that P1405-E & P1405-LE can perform color mode at 0.1 Lux and B&W mode at 0.01 Lux.

Best Regards



Peter Friberg  
 Director Solution Management  
 Axis Communications AB