

# UMS SUMMARY TEST REPORT

PAGE 1 OF 4

ISSUED BY:  
CRANAGE EMC TESTING LIMITED  
STABLE COURT  
OAKLEY  
MARKET DRAYTON  
SHROPSHIRE, TF9 4AG



Report No: **U0040** Date of Issue: **23<sup>rd</sup> September, 2014**

This document summarises the results of testing to ascertain the appropriate Elexon Charge Codes for inclusion in BSCP520

Tested & Inspected for: **Videalert Ltd  
Canada House  
272 Field End Road  
Eastcote  
HA4 9NA  
UK.**

Test Dates: **18<sup>th</sup> September, 2014 – 19<sup>th</sup> September, 2014**  
Receipt Date of Test Item: **18<sup>th</sup> September, 2014**

## **Sample 1**

Test Item Description: **CCTV Traffic Enforcement System**  
Manufacturer: **Videalert Limited (RDS System)  
Meanwell (Driver)**  
Model Names: **Rapidly Deployable Server (RDS)  
inc. 2 x Axis Q1765-LE cameras, 2 x Axis P5534-E PTZ Dome  
cameras and Meanwell HLG-240H-54 Driver.**  
Serial Numbers: **Production Sample (RDS)  
Production Sample (Axis Q1765-LE)  
00408CDD1C62 & 00408CE8FD96 (Axis P5534-E)  
RB28163337 (Meanwell Driver)**

## **Sample 2**

Test Item Description: **CCTV Traffic Enforcement System**  
Manufacturer: **Videalert Limited (RDS System)  
Meanwell (Driver)**  
Model Names: **Rapidly Deployable Server (RDS)  
inc. 2 x Axis Q1765-LE cameras, 2 x Axis P5534-E PTZ Dome  
cameras and Meanwell HLG-240H-54 Driver.**  
Serial Numbers: **Production Sample (RDS)  
Production Sample (Axis Q1765-LE)  
00408CDD1C62 & 00408CE8FD96 (Axis P5534-E)  
RB28163339 (Meanwell Driver)**

# UMS SUMMARY TEST REPORT

PAGE 2 OF 4

ISSUED BY:  
CRANAGE EMC TESTING LIMITED  
STABLE COURT  
OAKLEY  
MARKET DRAYTON  
SHROPSHIRE, TF9 4AG



Report No: **U0040**      Date of Issue: **23<sup>rd</sup> September, 2014**

## Sample 3

Test Item Description: **CCTV Traffic Enforcement System**  
Manufacturer: **Videalert Limited (RDS System)**  
**Meanwell (Driver)**  
Model Names: **Rapidly Deployable Server (RDS)**  
**inc. 2 x Axis Q1765-LE cameras, 2 x Axis P5534-E PTZ Dome**  
**cameras and Meanwell HLG-240H-54 Driver.**  
Serial Numbers: **Production Sample (RDS)**  
**Production Sample (Axis Q1765-LE)**  
**00408CDD1C62 & 00408CE8FD96 (Axis P5534-E)**  
**RB28163840 (Meanwell Driver)**

## Sample 4

Test Item Description: **CCTV Traffic Enforcement System**  
Manufacturer: **Videalert Limited (RDS System)**  
**Meanwell (Driver)**  
Model Names: **Rapidly Deployable Server (RDS)**  
**inc. 2 x Axis Q1765-LE cameras, 2 x Axis P5534-E PTZ Dome**  
**cameras and Meanwell HLG-240H-54 Driver.**  
Serial Numbers: **Production Sample (RDS)**  
**Production Sample (Axis Q1765-LE)**  
**00408CDD1C62 & 00408CE8FD96 (Axis P5534-E)**  
**RB23143179 (Meanwell Driver)**

## Sample 5

Test Item Description: **CCTV Traffic Enforcement System**  
Manufacturer: **Videalert Limited (RDS System)**  
**Meanwell (Driver)**  
Model Names: **Rapidly Deployable Server (RDS)**  
**inc. 2 x Axis Q1765-LE cameras, 2 x Axis P5534-E PTZ Dome**  
**cameras and Meanwell HLG-240H-54 Driver.**  
Serial Numbers: **Production Sample (RDS)**  
**Production Sample (Axis Q1765-LE)**  
**00408CDD1C62 & 00408CE8FD96 (Axis P5534-E)**  
**RB28163663 (Meanwell Driver)**

Approved Signatories: M. Richens - Technical Director

  
APPROVED SIGNATORY

Verification Signatories: R. Flynn - Test Engineer

  
VERIFICATION SIGNATORY

# UMS SUMMARY TEST REPORT

PAGE 3 OF 4

ISSUED BY:  
CRANAGE EMC TESTING LIMITED  
STABLE COURT  
OAKLEY  
MARKET DRAYTON  
SHROPSHIRE, TF9 4AG



Report No: **U0040** Date of Issue: **23<sup>rd</sup> September, 2014**

Mode of Operation: The test item was powered with all ports populated and 2 x dome cameras (Axis P5534-E) and 2 x infra-red cameras connected (Axis Q1765-LE). The unit was configured by the manufacturer to achieve the highest load on the RDS. A photograph showing the test item can be found on page 13.

Unit under test: - Units were powered up for 20 minutes to stabilise.

Test Condition: - Measurements were taken after 15 minutes at each voltage level.

All results are rounded to 2 decimal places.

## Mode 1

Watts					
Voltage (Vrms)	Sample No.				
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210	68.28	68.06	70.01	69.22	69.60
220	69.32	69.13	69.45	69.52	69.49
230	69.21	69.41	69.39	69.25	70.02
240	69.19	68.55	69.85	69.31	71.21
250	66.54	67.79	69.29	69.30	69.29

VA					
Voltage (Vrms)	Sample No.				
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210	77.44	77.58	80.68	78.34	79.28
220	79.77	80.52	82.45	80.67	81.25
230	81.60	83.14	84.73	82.74	83.95
240	83.56	84.85	88.68	85.24	87.42
250	83.55	87.12	93.68	88.37	88.75

# UMS SUMMARY TEST REPORT

PAGE 4 OF 4

ISSUED BY:  
CRANAGE EMC TESTING LIMITED  
STABLE COURT  
OAKLEY  
MARKET DRAYTON  
SHROPSHIRE, TF9 4AG



Report No: **U0040** Date of Issue: **23<sup>rd</sup> September, 2014**

**Ambient temperature range recorded during test period:**  
20.0°C

## Test Equipment

Asset Number	Description	Calibration Date	Calibration Due
AN288	Power Source	-	-
AN874	Power Source	-	-
AN1162	Power Analyser	16/07/2014	15/07/2015
AN452	Timer	-	-

## Photographs of the Test Item



**Above:** Equipment under test.

## Measurement Uncertainty

The 95 % confidence measurement uncertainty for AC Power (Analyser) is 0.17%.