Data Acquisition and Remote Monitoring Tool

The Data Acquisition and Remote Monitoring Tool (DARMT) is a software tool to record high/low state reports at local computer, and transmit them to FTP site to achieve data acquisition and remote monitoring.

The computer connects 4 USB 32 Photo Input Boards to get digital input data from multiple sensors and generate reports which records high/low state change with time stamp. And these reports can be sent to the FTP site by Internet and also receive some data from it as well. By this way, we can use these reports to make some statistics and achieve remote monitoring to improve automation and efficiency.

The format of recorded data is shown in the following

Device No	Bit	,	State	,	Year	Month	Date	Time

Device No: 3 digits, indicate which device
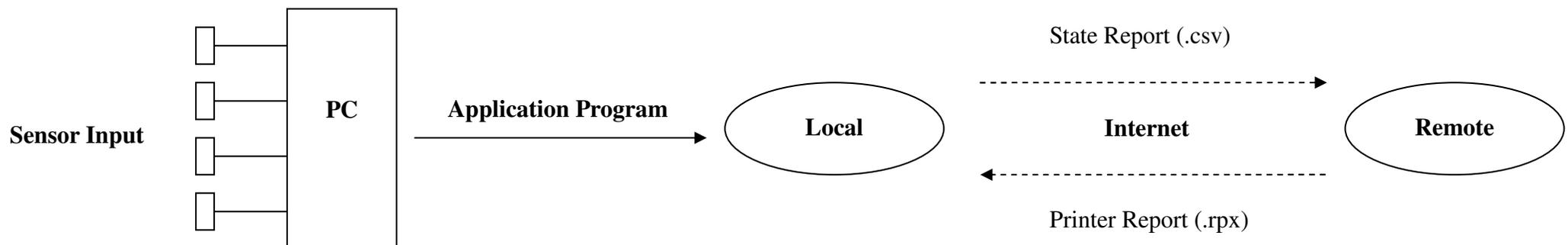**Bit**: 2 digits, indicate which bit
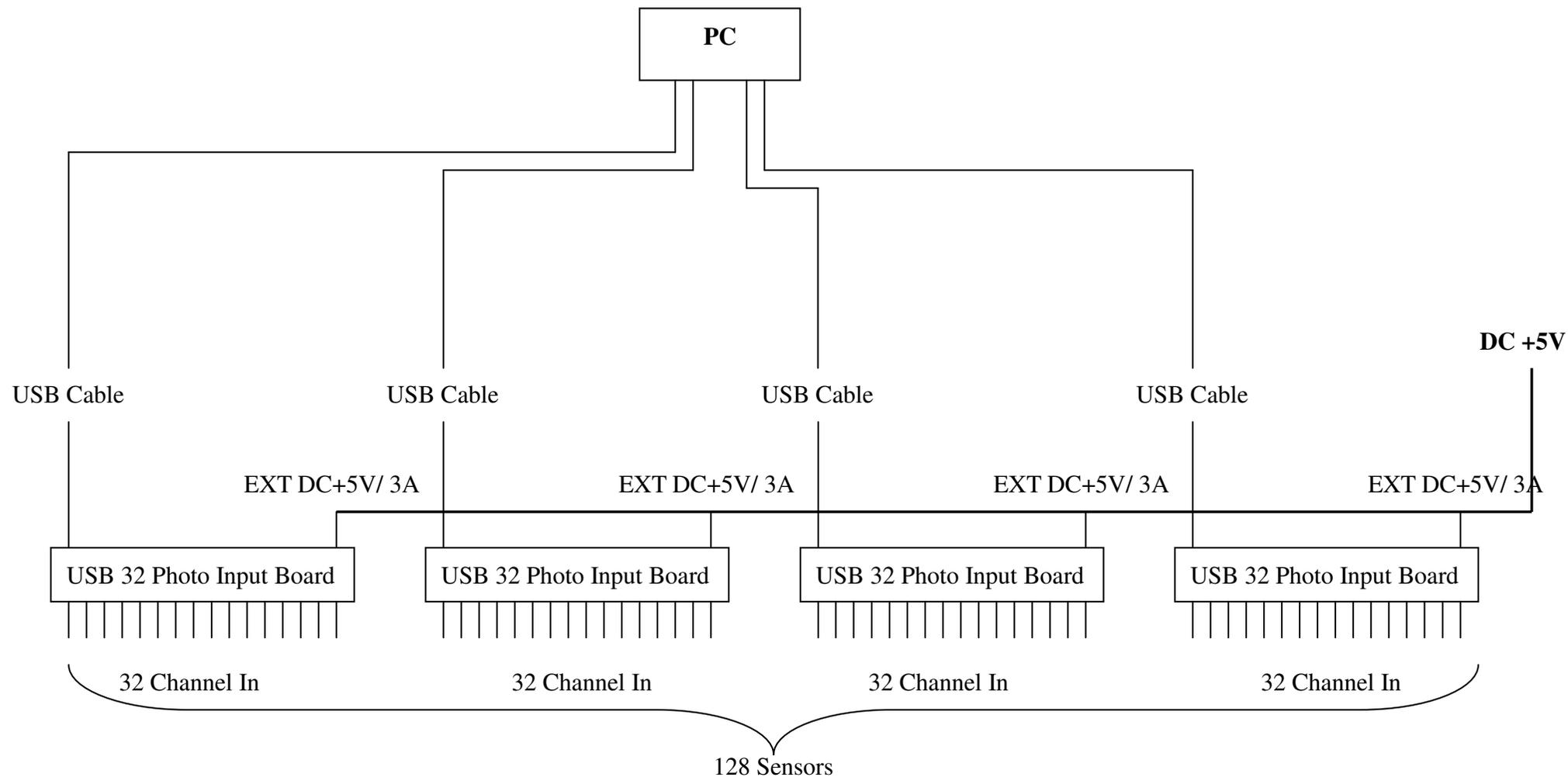**State**: 1 digit, indicate high (1) or low (0)
Year: 4 digits, indicate year

Month: 2 digits, indicate month
Date: 2 digits, indicate date
Time: 8 digits, the first two digits indicate hour, the next two indicate minute, and the last four digits indicate to hundredths of a second.

PC

USB Cable

USB Cable

USB Cable

USB Cable

DC +5V

EXT DC+5V/ 3A

EXT DC+5V/ 3A

EXT DC+5V/ 3A

EXT DC+5V/ 3A

USB 32 Photo Input Board

USB 32 Photo Input Board

USB 32 Photo Input Board

USB 32 Photo Input Board

32 Channel In

32 Channel In

32 Channel In

32 Channel In

128 Sensors

Environment

Hardware	PC with Windows (or Linux) USB 32 Photo Input Board X 4 External Power Supply DC 5V
Software	Demo AP (Now only release for Win Version)